

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101919\
 Data File : BN008265.D
 Acq On : 19 Oct 2019 12:17
 Operator : JU
 Sample : K5177-14DL 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BEPA3DL

Quant Time: Oct 19 20:51:40 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

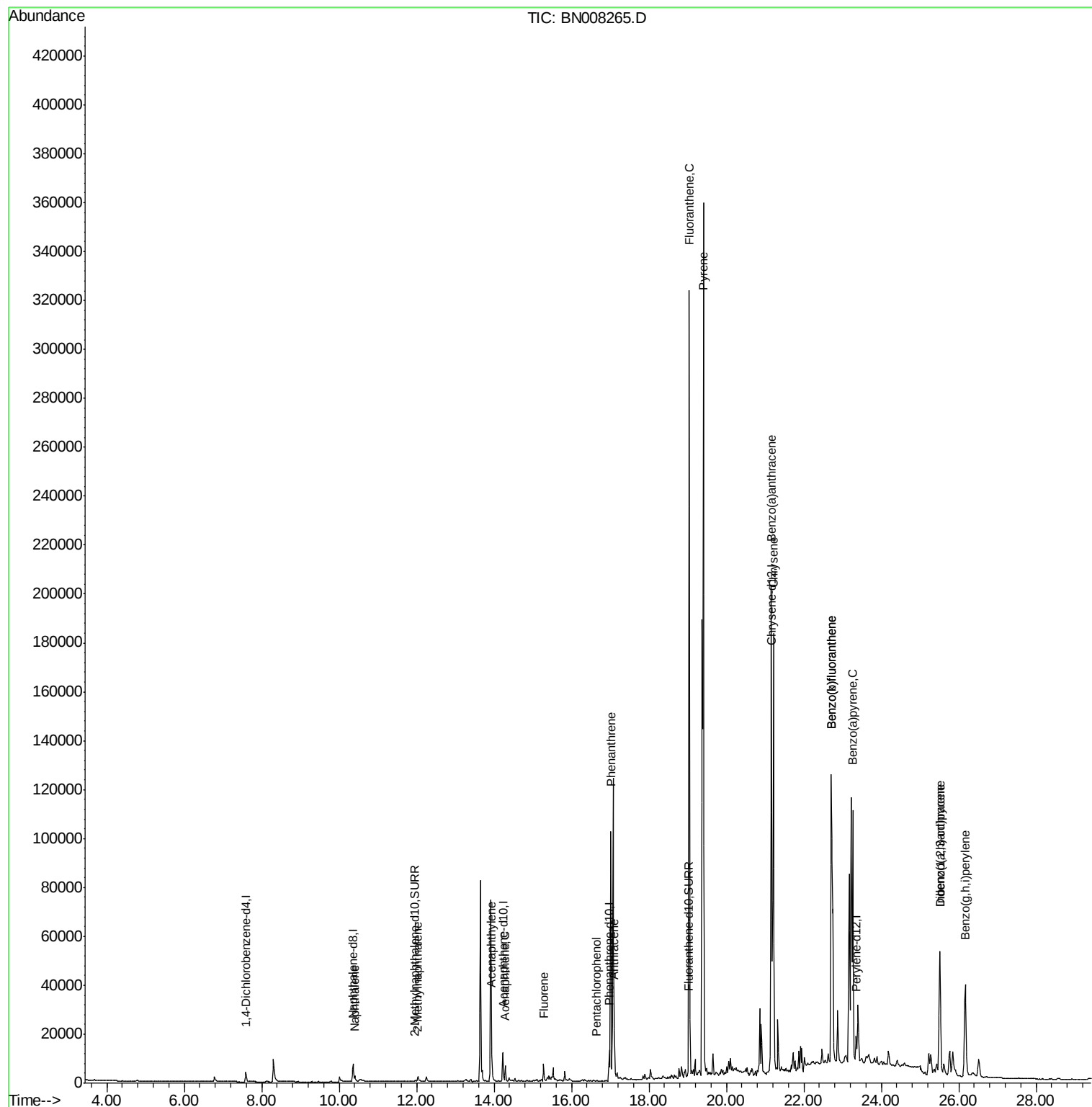
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	2324	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	11001	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	6856	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	14917	0.40	ng/ul	0.00
16) Chrysene-d12	21.18	240	13632	0.40	ng/ul	0.00
20) Perylene-d12	23.35	264	12134	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	600	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	2018	0.04	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.41	128	2827	0.090	ng/ul#	93
5) 2-Methylnaphthalene	12.03	142	2008	0.093	ng/ul	97
7) Acenaphthylene	13.94	152	8373	0.256	ng/ul	98
8) Acenaphthene	14.29	153	3915	0.154	ng/ul	98
9) Fluorene	15.28	166	4729	0.164	ng/ul#	97
11) Pentachlorophenol	16.64	266	78	0.022	ng/ul	94
12) Phenanthrene	17.01	178	112082	2.566	ng/ul	99
13) Anthracene	17.11	178	20660	0.538	ng/ul	99
15) Fluoranthene	19.04	202	278531	4.829	ng/ul	100
17) Pyrene	19.40	202	294506	5.426	ng/ul	99
18) Benzo(a)anthracene	21.16	228	161868	3.266	ng/ul	98
19) Chrysene	21.22	228	178329	2.932	ng/ul	98
21) Benzo(b)fluoranthene	22.71	252	262695	6.650	ng/ul	94
22) Benzo(k)fluoranthene	22.71	252	262695	5.871	ng/ul	94
23) Benzo(a)pyrene	23.26	252	134848	3.244	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.51	276	77379	1.581	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.52	278	19560	0.505	ng/ul#	92
26) Benzo(g,h,i)perylene	26.17	276	74558	1.661	ng/ul	98

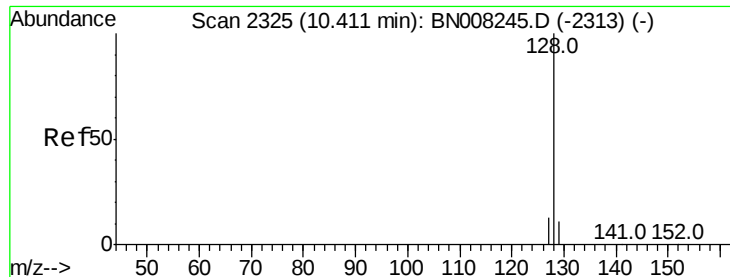
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 18 23:47:17 2019
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#3

Naphthalene

Concen: 0.090 ng/ul

RT: 10.41 min Scan# 2324

Delta R.T. -0.01 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

Instrument :

BNA_N

ClientSampleId :

BEPA3DL

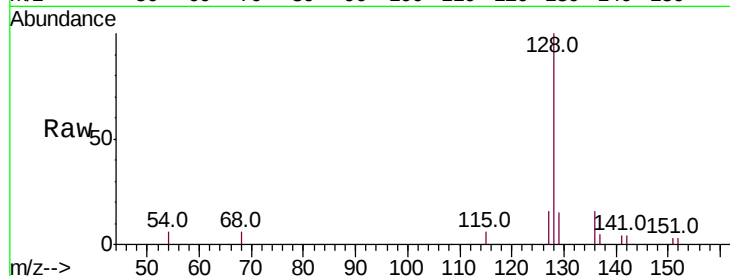
Tot Ion:128 Resp: 2827

Ion Ratio Lower Upper

128 100

129 15.2 9.8 14.8#

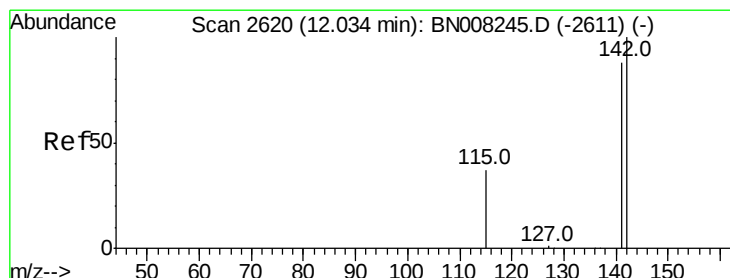
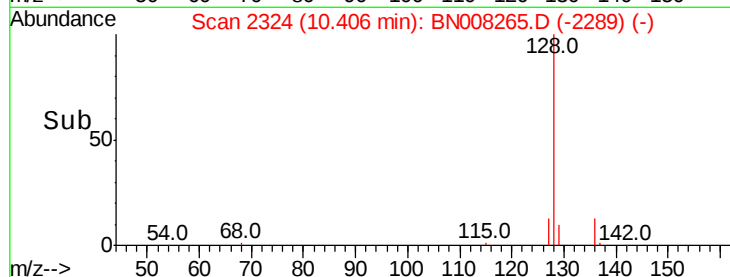
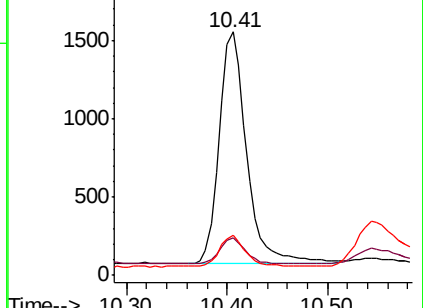
127 16.4 11.1 16.7



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: 0.093 ng/ul

RT: 12.03 min Scan# 2620

Delta R.T. 0.00 min

Lab File: BN008265.D

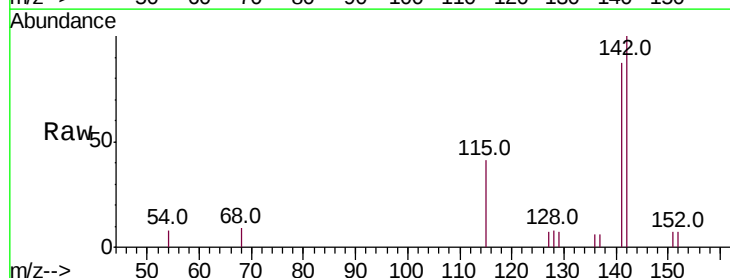
Acq: 19 Oct 2019 12:17

Tgt Ion:142 Resp: 2008

Ion Ratio Lower Upper

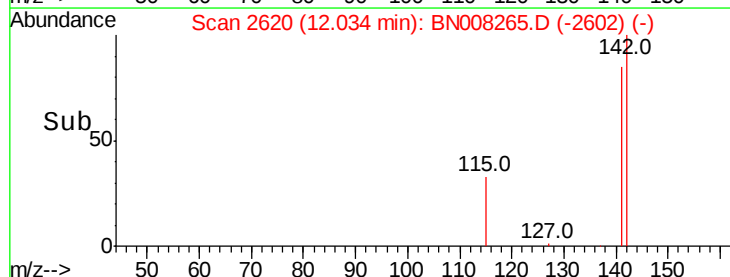
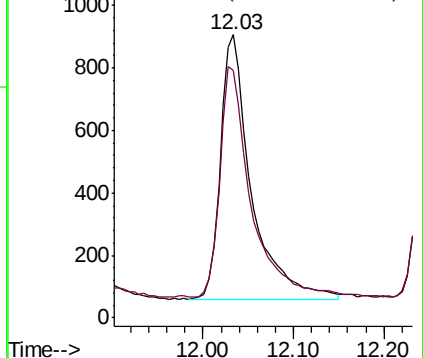
142 100

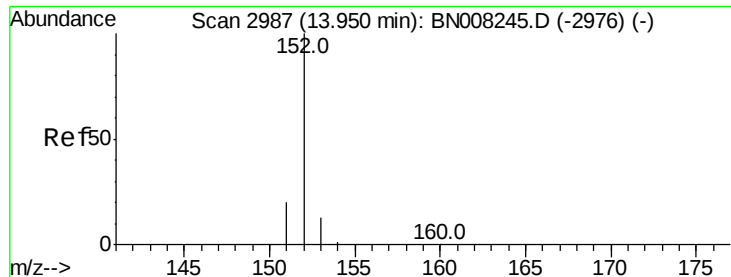
141 86.8 71.4 107.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.256 ng/ul

RT: 13.94 min Scan# 2985

Delta R.T. -0.01 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

Instrument :

BNA_N

ClientSampleId :

BEPA3DL

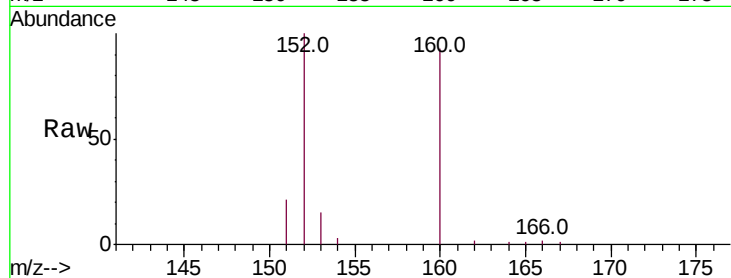
Tot Ion:152 Resp: 8373

Ion Ratio Lower Upper

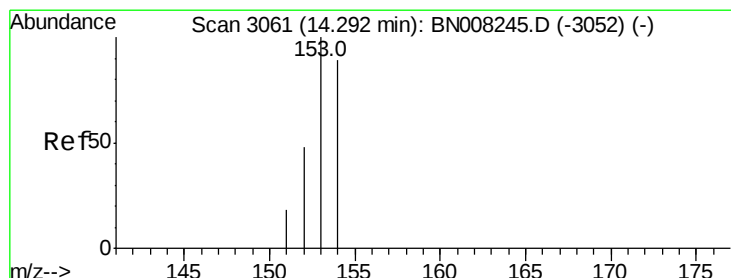
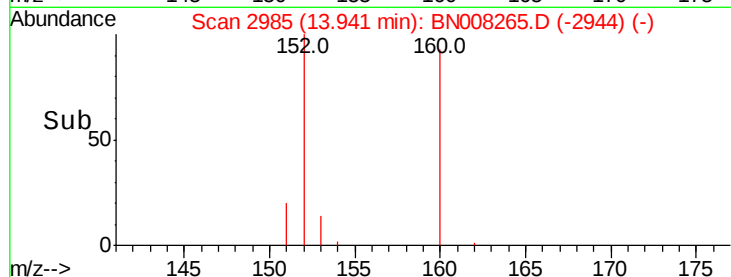
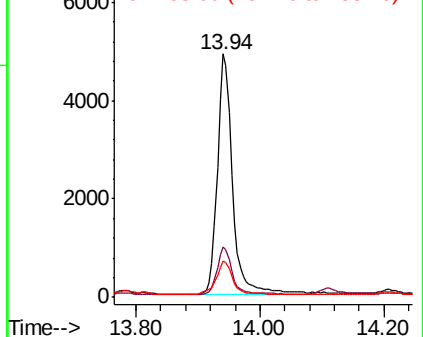
152 100

151 20.8 16.2 24.4

153 14.8 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: 0.154 ng/ul

RT: 14.29 min Scan# 3060

Delta R.T. -0.00 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

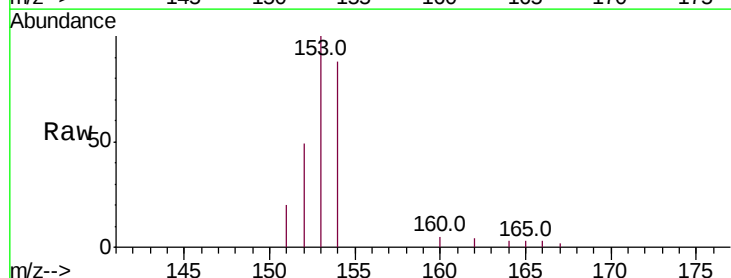
Tgt Ion:153 Resp: 3915

Ion Ratio Lower Upper

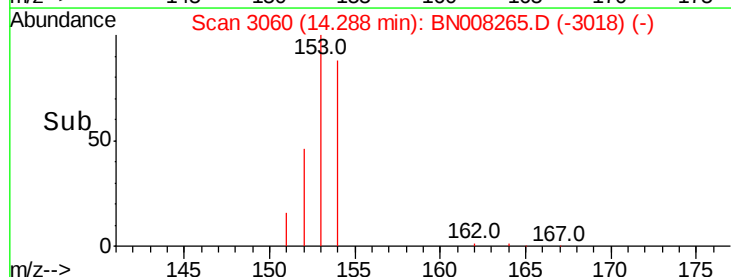
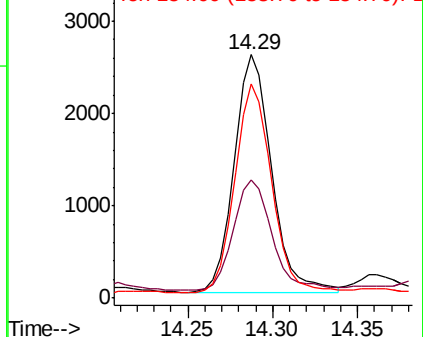
153 100

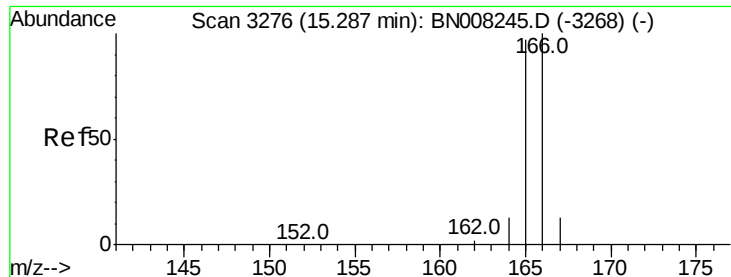
152 48.7 38.2 57.2

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: 0.164 ng/ul

RT: 15.28 min Scan# 3275

Delta R.T. -0.00 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

Instrument :

BNA_N

ClientSampleId :

BEPA3DL

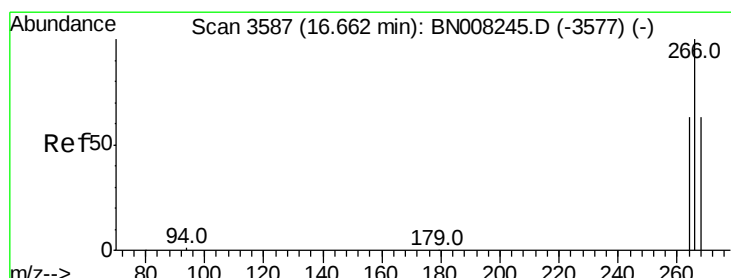
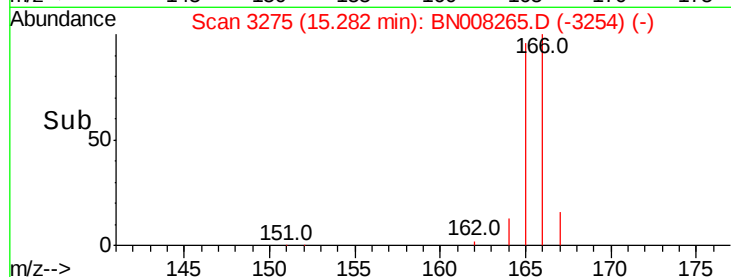
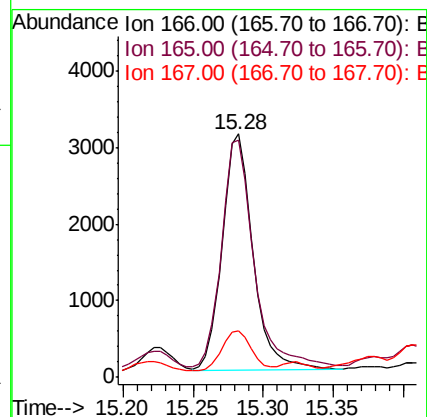
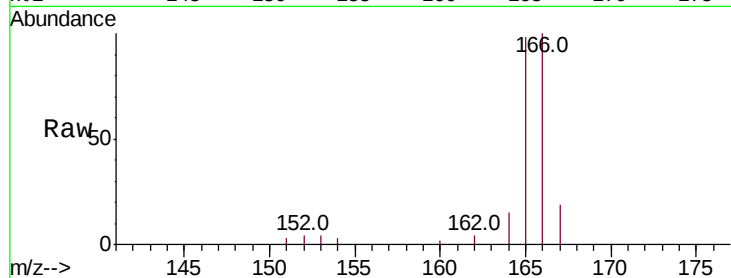
Tot Ion:166 Resp: 4729

Ion Ratio Lower Upper

166 100

165 97.6 76.6 115.0

167 19.1 11.7 17.5#



#11

Pentachlorophenol

Concen: 0.022 ng/ul

RT: 16.64 min Scan# 3582

Delta R.T. -0.02 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

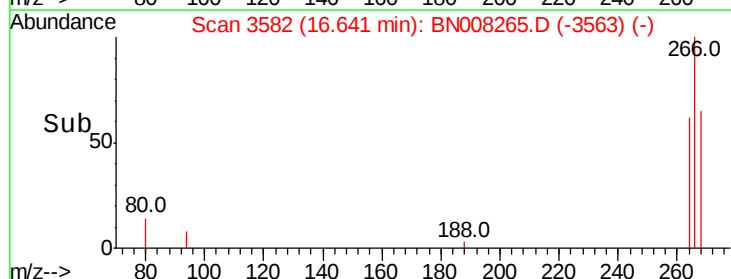
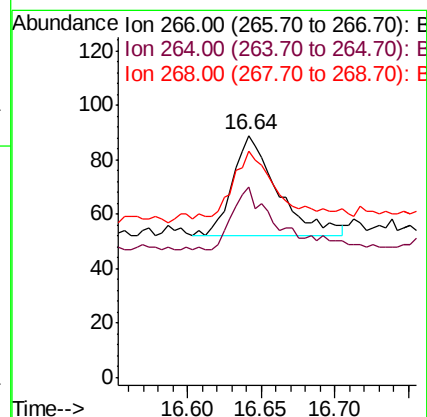
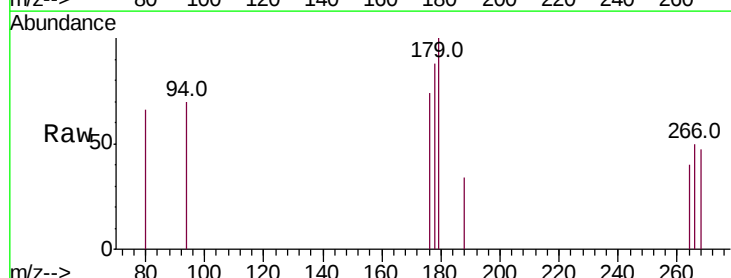
Tgt Ion:266 Resp: 78

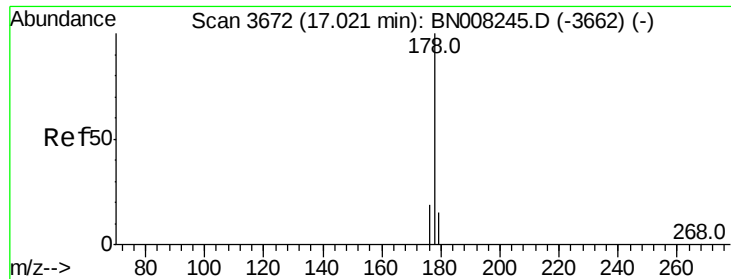
Ion Ratio Lower Upper

266 100

264 64.1 50.1 75.1

268 73.1 51.9 77.9





#12

Phenanthrene

Concen: 2.566 ng/ul

RT: 17.01 min Scan# 3670

Delta R.T. -0.01 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

Instrument :

BNA_N

ClientSampleId :

BEPA3DL

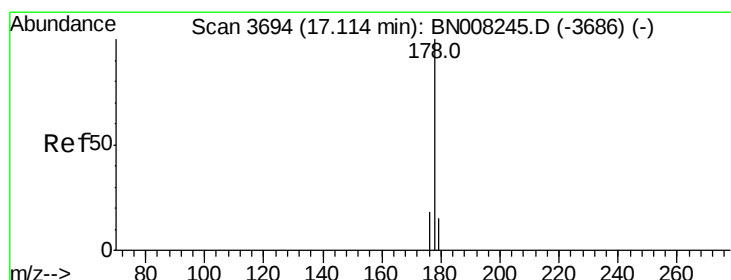
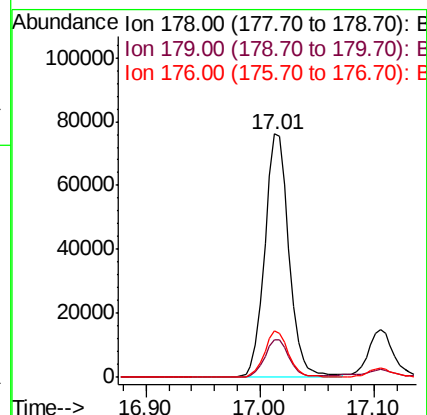
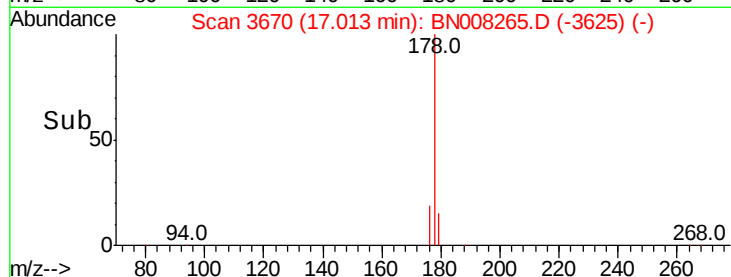
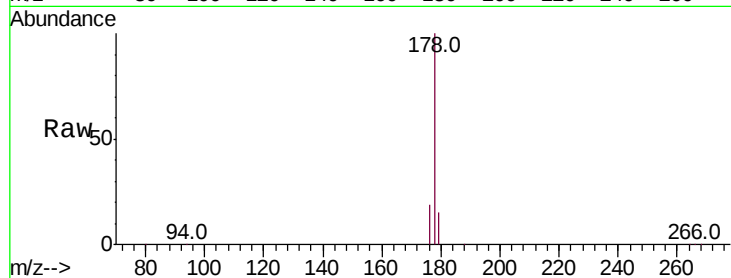
Tot Ion:178 Resp: 112082

Ion Ratio Lower Upper

178 100

179 15.4 12.8 19.2

176 18.9 15.4 23.2



#13

Anthracene

Concen: 0.538 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. -0.01 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

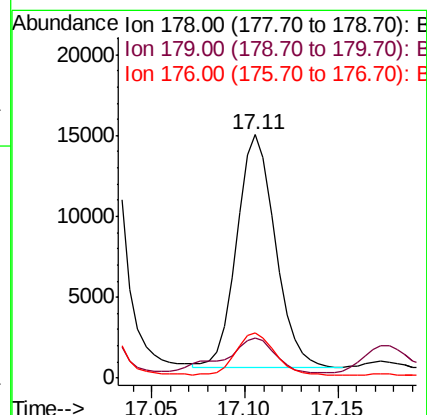
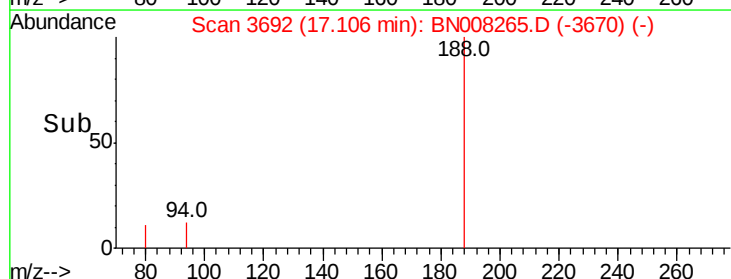
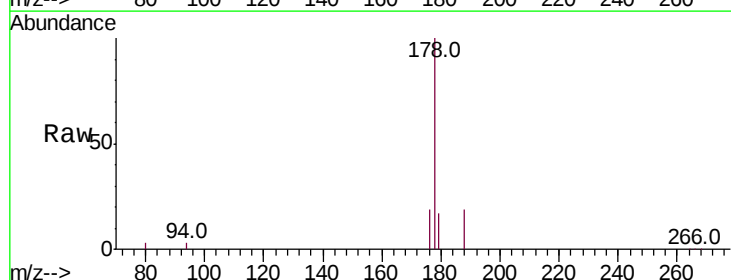
Tgt Ion:178 Resp: 20660

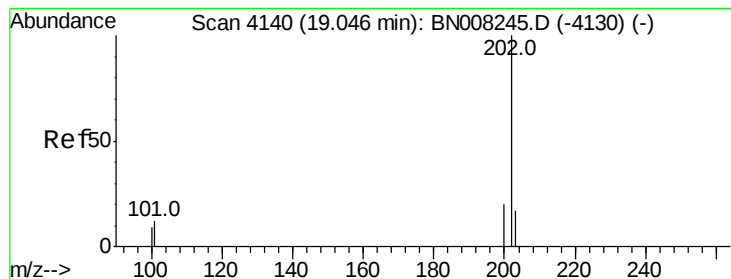
Ion Ratio Lower Upper

178 100

179 16.6 13.0 19.6

176 18.5 15.0 22.6





#15

Fluoranthene

Concen: 4.829 ng/ul

RT: 19.04 min Scan# 4139

Delta R.T. -0.00 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

Instrument :

BNA_N

ClientSampleId :

BEPA3DL

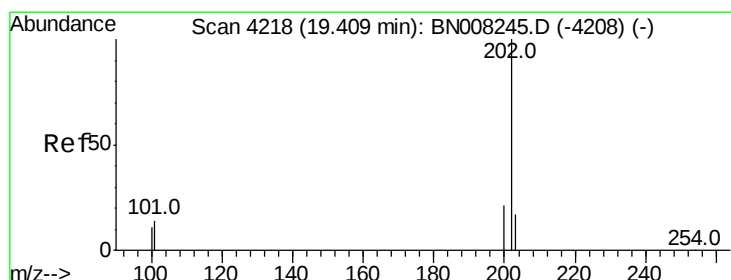
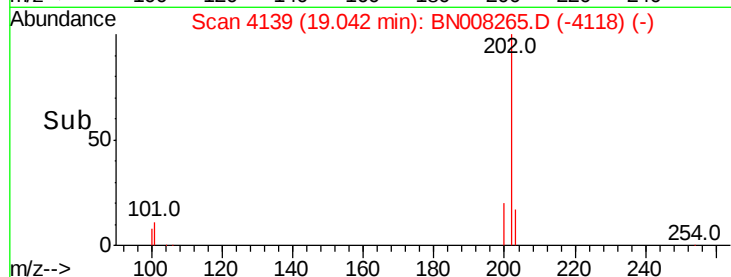
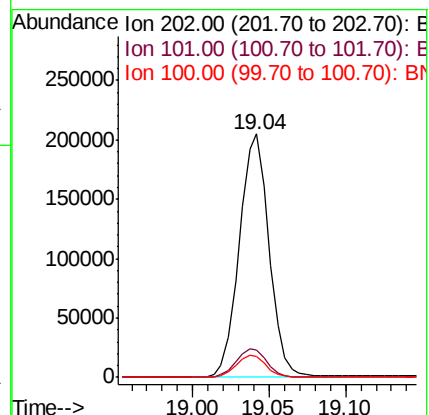
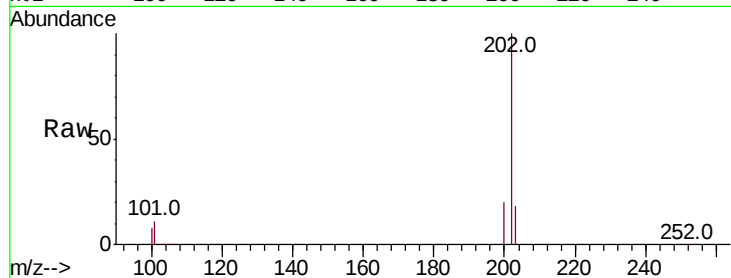
Tot Ion:202 Resp: 278531

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.2

100 8.5 0.0 28.5



#17

Pyrene

Concen: 5.426 ng/ul

RT: 19.40 min Scan# 4217

Delta R.T. -0.00 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

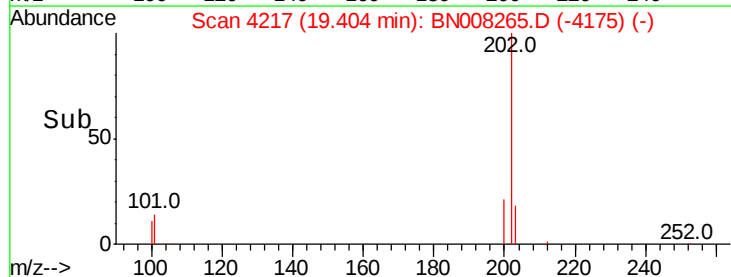
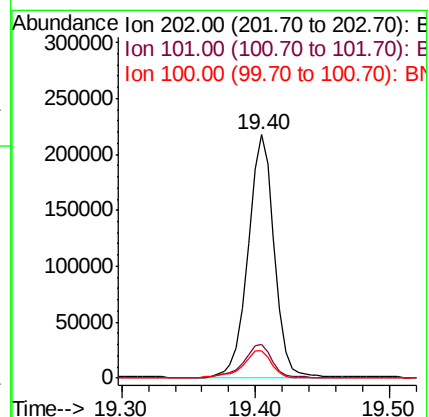
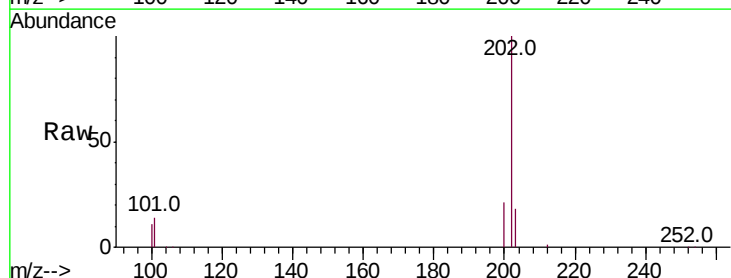
Tgt Ion:202 Resp: 294506

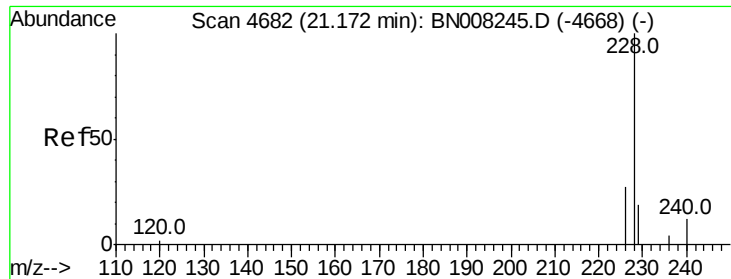
Ion Ratio Lower Upper

202 100

101 14.0 10.9 16.3

100 11.3 8.7 13.1





#18

Benzo(a)anthracene

Concen: 3.266 ng/ul

RT: 21.16 min Scan# 4679

Delta R.T. -0.01 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

Instrument :

BNA_N

ClientSampleId :

BEPA3DL

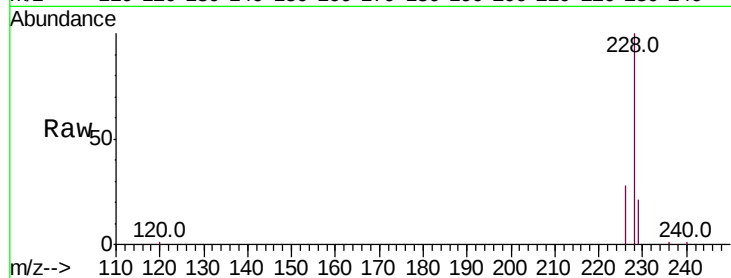
Tot Ion:228 Resp: 161868

Ion Ratio Lower Upper

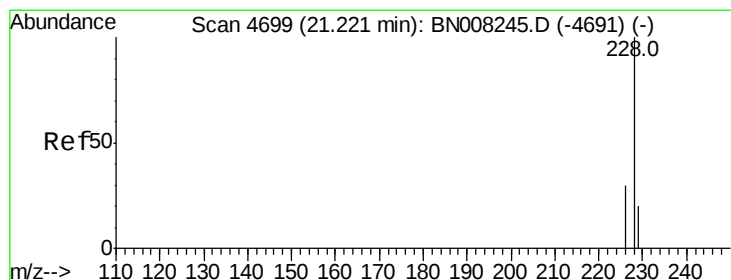
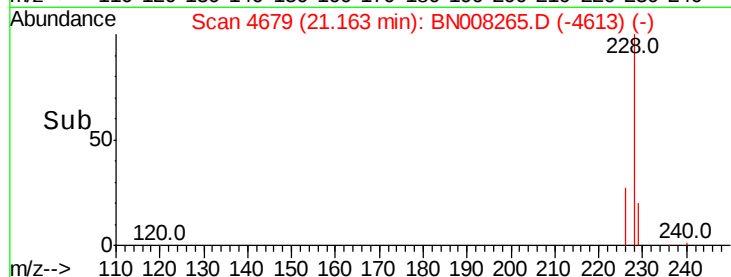
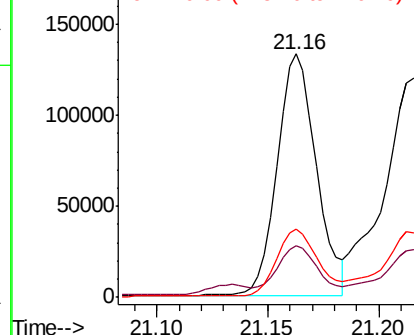
228 100

229 21.1 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: 2.932 ng/ul

RT: 21.22 min Scan# 4697

Delta R.T. -0.01 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

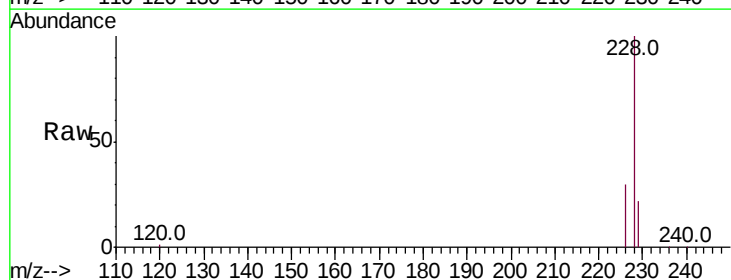
Tgt Ion:228 Resp: 178329

Ion Ratio Lower Upper

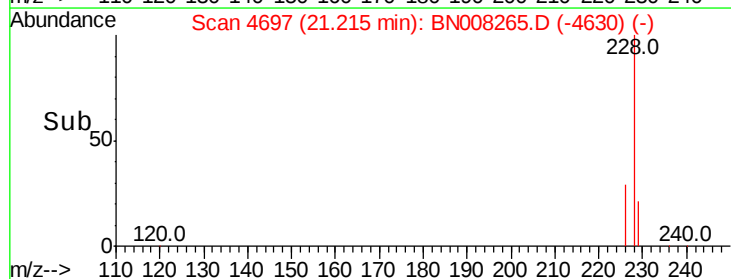
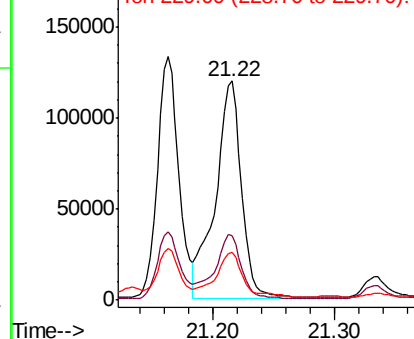
228 100

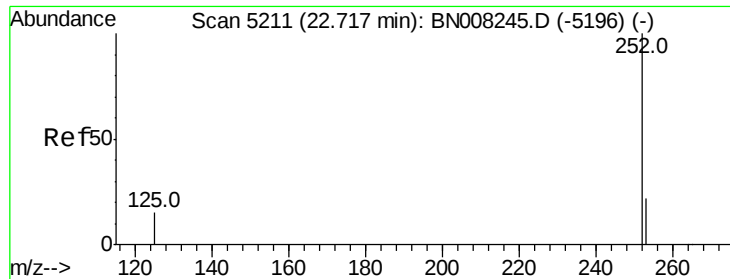
226 29.5 24.1 36.1

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: 6.650 ng/u1

RT: 22.71 min Scan# 5209

Delta R.T. -0.01 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

Instrument :

BNA_N

ClientSampleId :

BEPA3DL

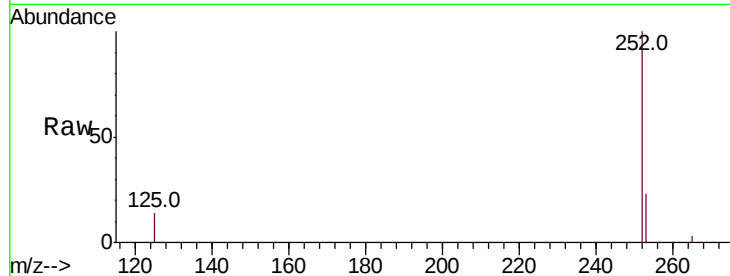
Tot Ion:252 Resp: 262695

Ion Ratio Lower Upper

252 100

253 23.4 0.0 53.4

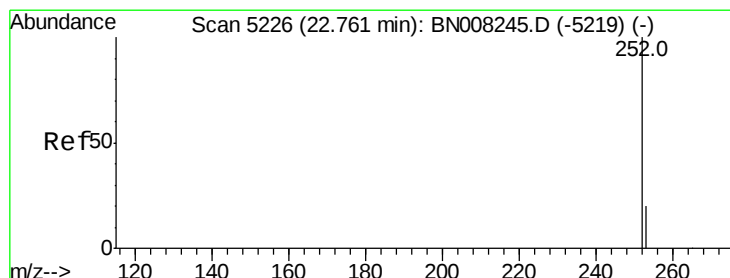
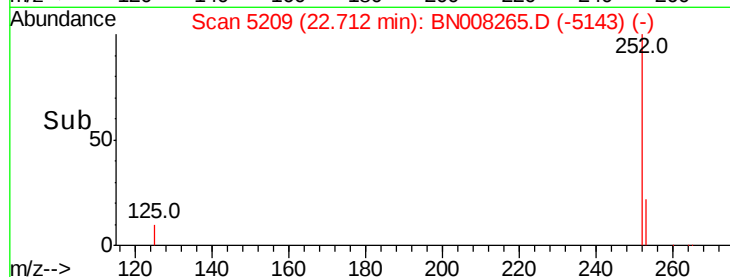
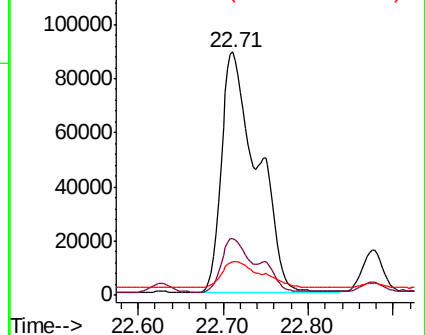
125 13.6 0.0 32.4



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: 5.871 ng/u1

RT: 22.71 min Scan# 5209

Delta R.T. -0.05 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

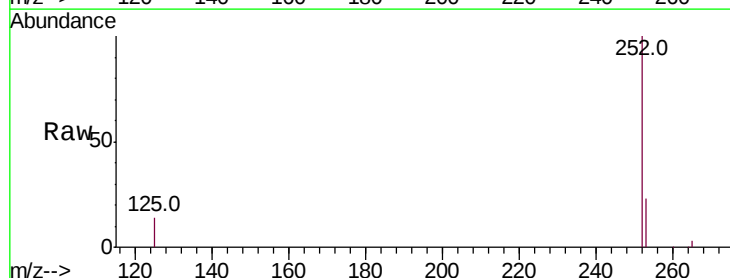
Tgt Ion:252 Resp: 262695

Ion Ratio Lower Upper

252 100

253 23.4 21.3 31.9

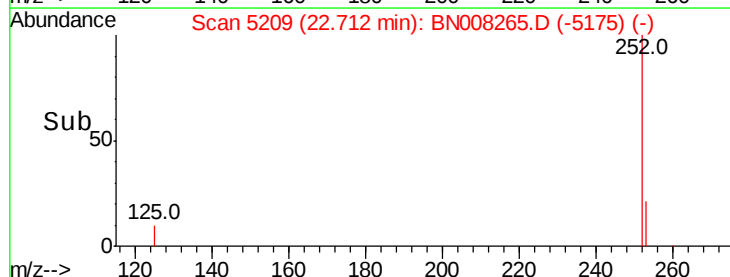
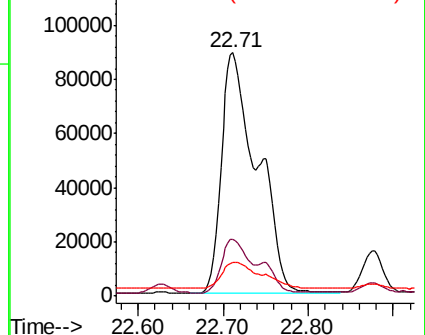
125 13.6 12.3 18.5

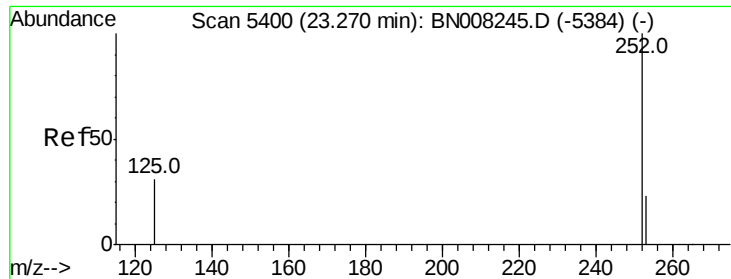


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 3.244 ng/ul

RT: 23.26 min Scan# 5397

Delta R.T. -0.01 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

Instrument :

BNA_N

ClientSampleId :

BEPA3DL

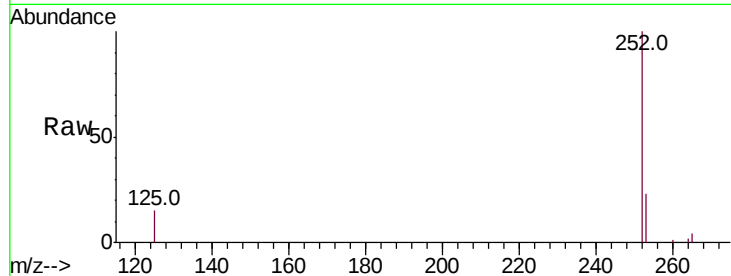
Tot Ion:252 Resp: 134848

Ion Ratio Lower Upper

252 100

253 23.5 22.8 34.2

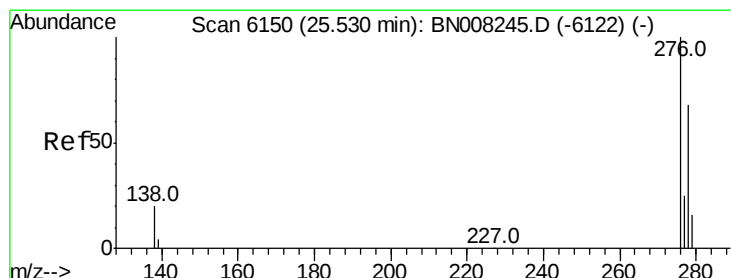
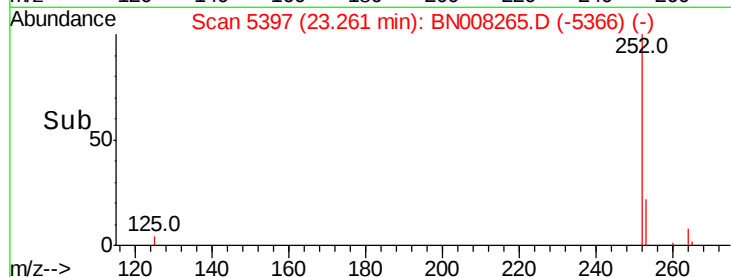
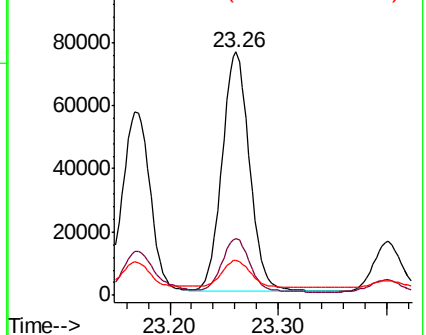
125 14.5 18.4 27.6#



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: 1.581 ng/ul

RT: 25.51 min Scan# 6144

Delta R.T. -0.02 min

Lab File: BN008265.D

Acq: 19 Oct 2019 12:17

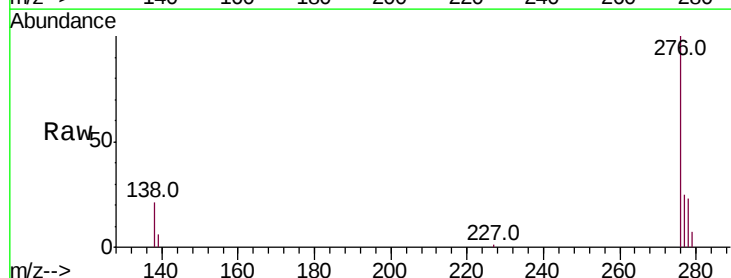
Tgt Ion:276 Resp: 77379

Ion Ratio Lower Upper

276 100

138 19.9 16.1 24.1

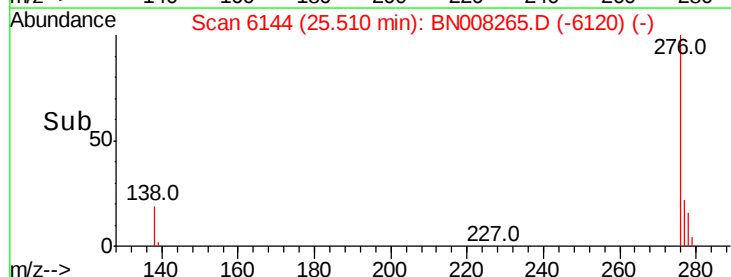
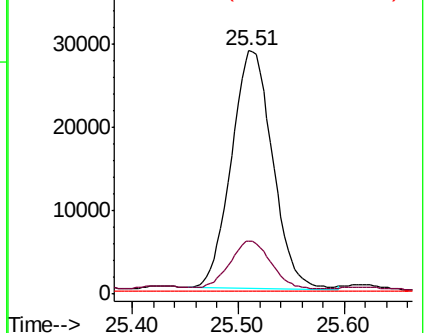
227 0.1 0.2 0.2#

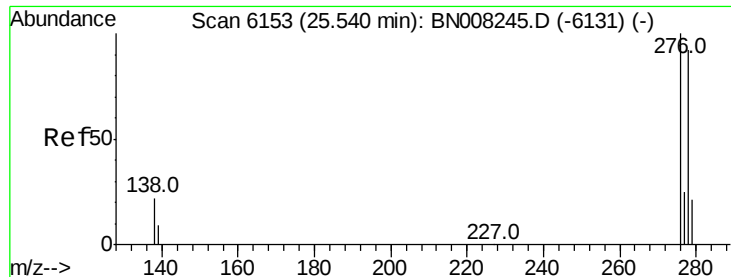


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

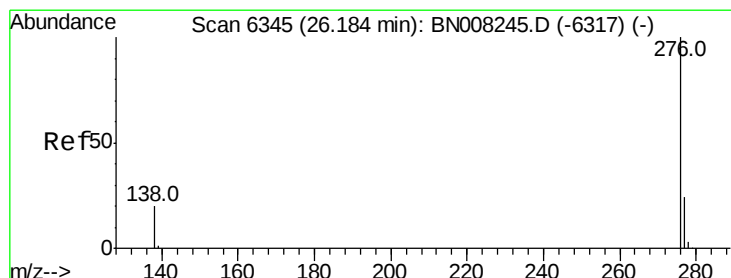
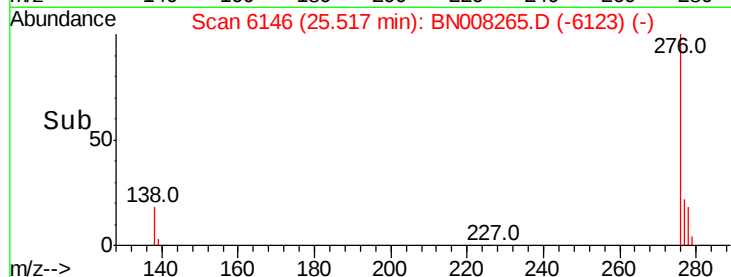
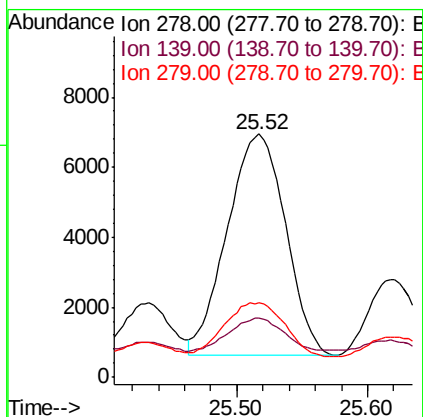
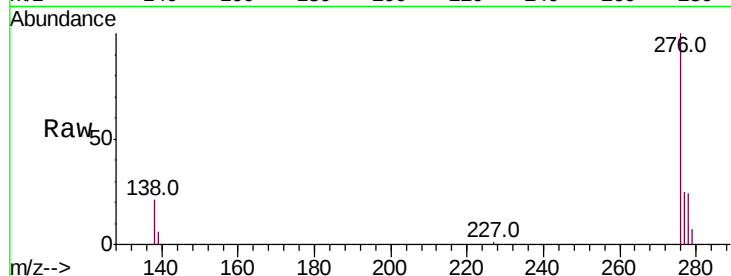




#25
Dibenzo(a,h)anthracene
Concen: 0.505 ng/ul
RT: 25.52 min Scan# 6146
Delta R.T. -0.02 min
Lab File: BN008265.D
Acq: 19 Oct 2019 12:17

Instrument :
BNA_N
ClientSampleId :
BEP3DL

Tot Ion:278 Resp: 19560
Ion Ratio Lower Upper
278 100
139 24.2 15.0 22.6#
279 30.8 22.4 33.6



#26
Benzo(g,h,i)perylene
Concen: 1.661 ng/ul
RT: 26.17 min Scan# 6340
Delta R.T. -0.02 min
Lab File: BN008265.D
Acq: 19 Oct 2019 12:17

Tgt Ion:276 Resp: 74558
Ion Ratio Lower Upper
276 100
138 22.0 17.0 25.4
277 24.7 20.4 30.6

