

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101619\
 Data File : BN008204.D
 Acq On : 16 Oct 2019 18:31
 Operator : JU
 Sample : K5124-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 17 02:01:00 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 : Thu Oct 17 01:48:53 2019

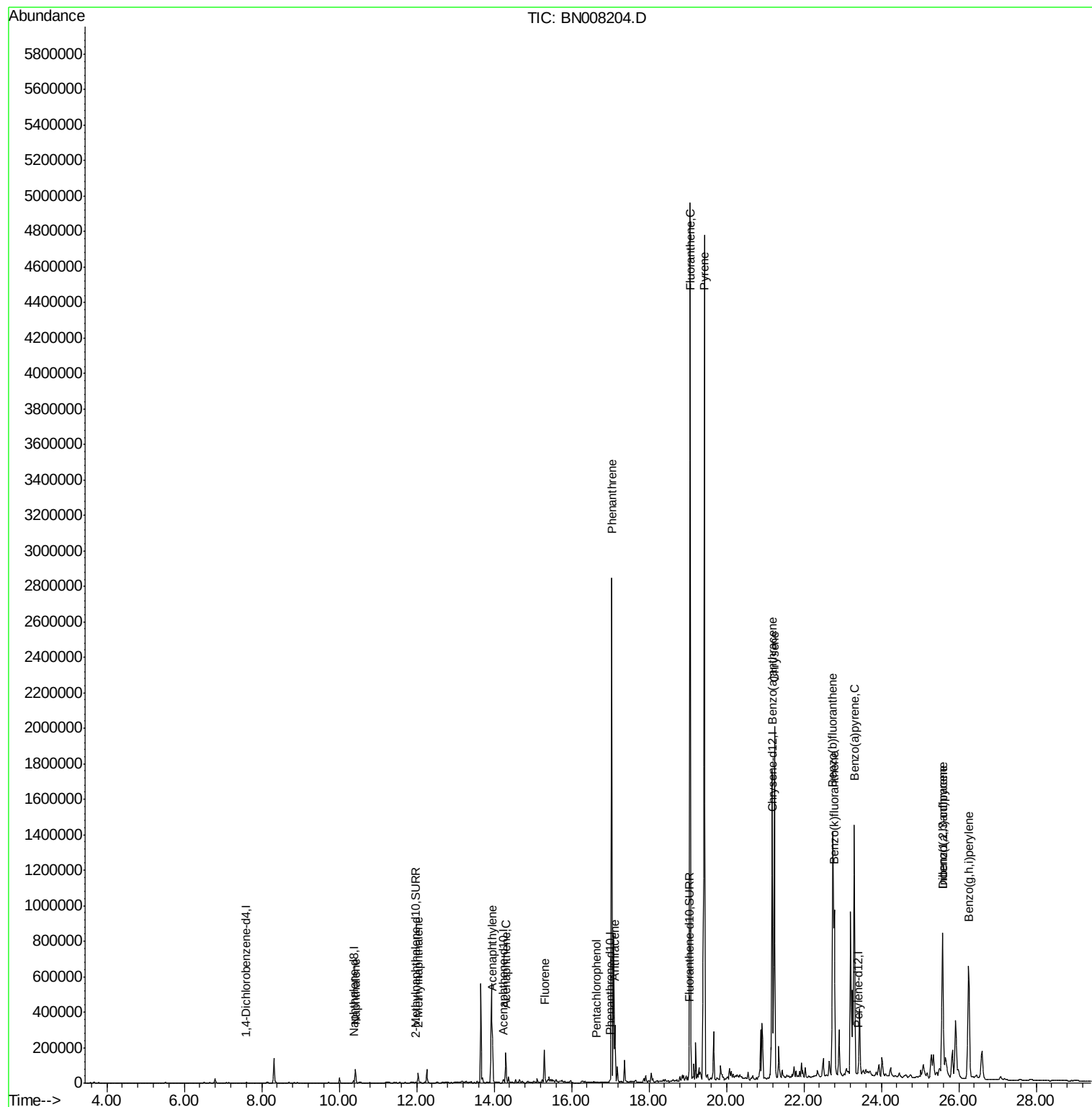
Response via : Initial Calibration

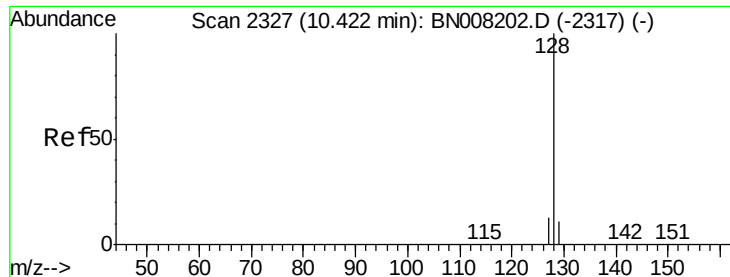
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	3326	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	15365	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.24	164	9966	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.99	188	20782m	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	15725	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	15388	0.40	ng/ul	0.02
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.97	152	4832	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.03	212	8892	0.12	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.42	128	103174	2.359	ng/ul	98
5) 2-Methylnaphthalene	12.04	142	41180	1.372	ng/ul	99
7) Acenaphthylene	13.96	152	289351	6.096	ng/ul	99
8) Acenaphthene	14.30	153	98777	2.676	ng/ul	98
9) Fluorene	15.30	166	118920	2.837	ng/ul	98
11) Pentachlorophenol	16.65	266	196	0.039	ng/ul#	82
12) Phenanthrene	17.04	178	3138312	51.579	ng/ul	99
13) Anthracene	17.12	178	341576	6.379	ng/ul	99
15) Fluoranthene	19.07	202	4287472	53.353	ng/ul	97
17) Pyrene	19.43	202	4137860	66.087	ng/ul	96
18) Benzo(a)anthracene	21.18	228	1482345	25.928	ng/ul	95
19) Chrysene	21.24	228	1866254	26.600	ng/ul	97
21) Benzo(b)fluoranthene	22.74	252	2354899m	47.010	ng/ul	
22) Benzo(k)fluoranthene	22.78	252	816656m	14.392	ng/ul	
23) Benzo(a)pyrene	23.30	252	1892521	35.902	ng/ul#	84
24) Indeno(1,2,3-cd)pyrene	25.58	276	1295454	20.866	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.58	278	279647	5.698	ng/ul	98
26) Benzo(g,h,i)perylene	26.26	276	1304019	22.905	ng/ul	98

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

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#3

Naphthalene

Concen: 2.359 ng/ul

RT: 10.42 min Scan# 2326

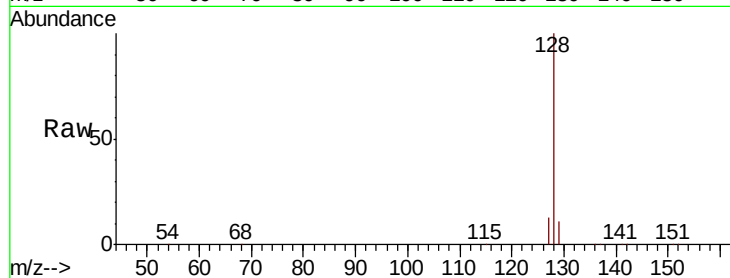
Delta R.T. -0.01 min

Lab File: BN008204.D

Acq: 16 Oct 2019 18:31

Tot Ion:128 Resp: 103174

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.8	14.8
127	13.2	11.1	16.7

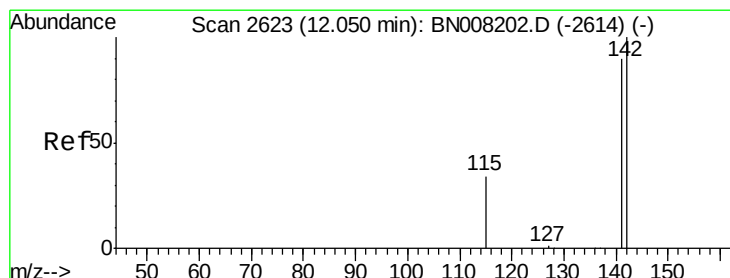
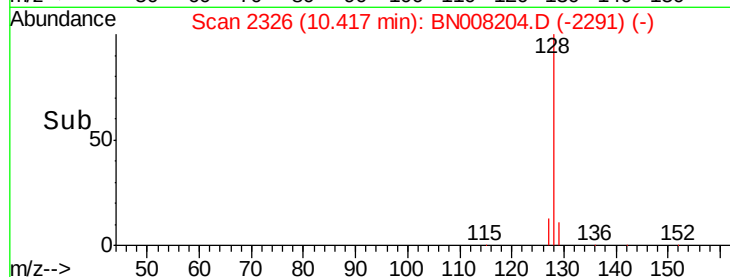
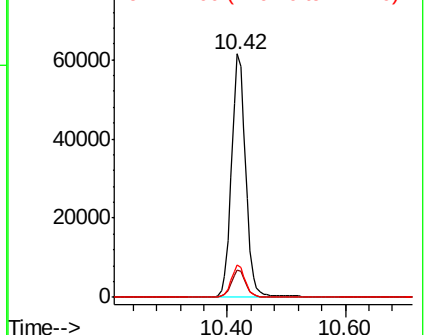


Abundance

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: 1.372 ng/ul

RT: 12.04 min Scan# 2621

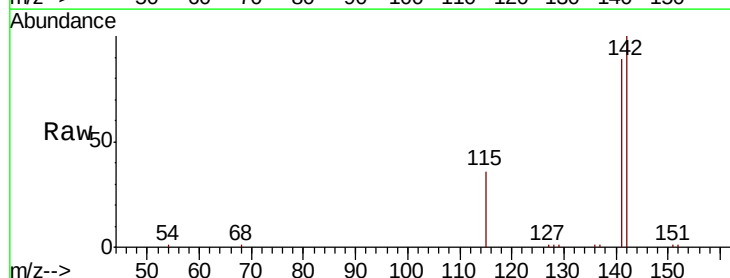
Delta R.T. -0.01 min

Lab File: BN008204.D

Acq: 16 Oct 2019 18:31

Tgt Ion:142 Resp: 41180

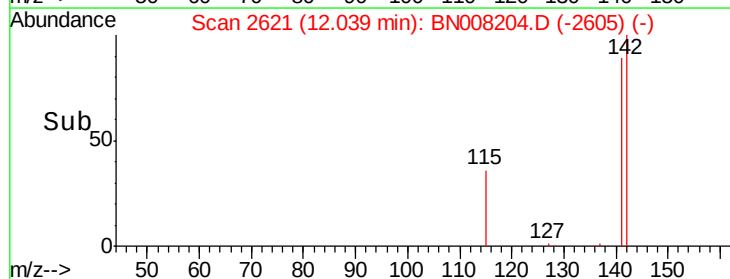
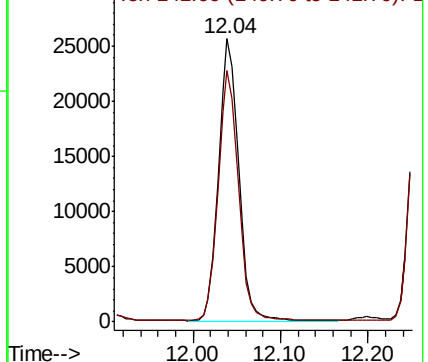
Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.4	107.2

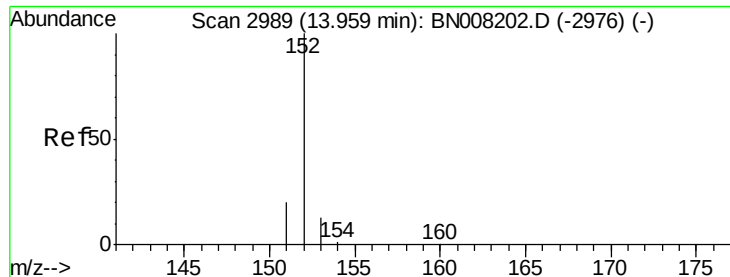


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 6.096 ng/ul

RT: 13.96 min Scan# 2989

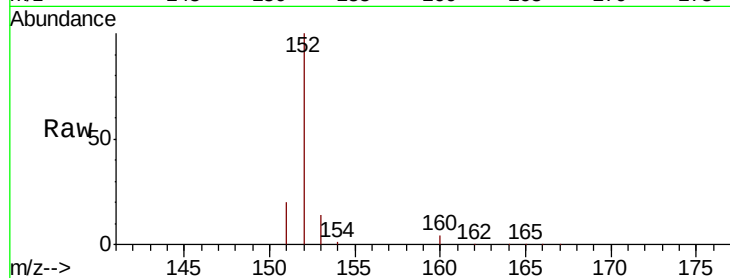
Delta R.T. 0.00 min

Lab File: BN008204.D

Acq: 16 Oct 2019 18:31

Tot Ion:152 Resp: 289351

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.4
153	13.5	11.0	16.4

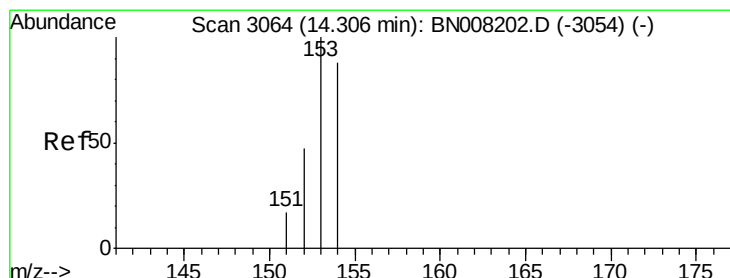
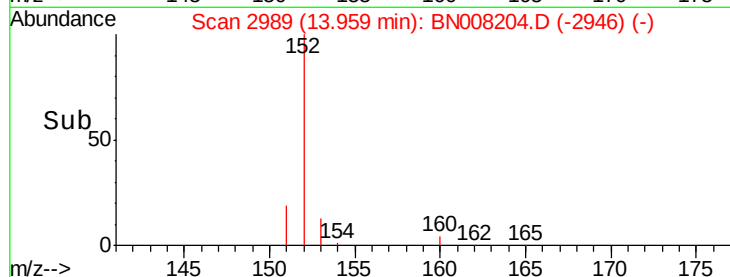
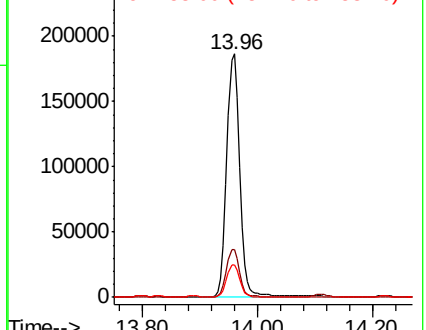


Abundance

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: 2.676 ng/ul

RT: 14.30 min Scan# 3063

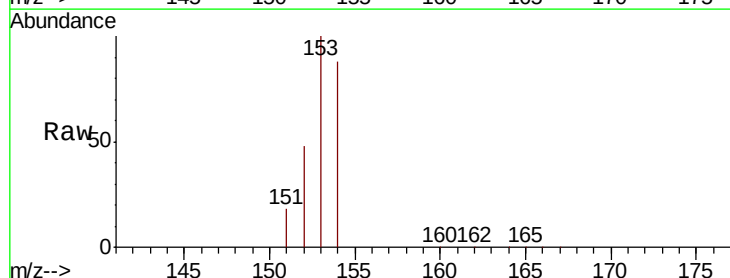
Delta R.T. -0.00 min

Lab File: BN008204.D

Acq: 16 Oct 2019 18:31

Tgt Ion:153 Resp: 98777

Ion	Ratio	Lower	Upper
153	100		
152	47.5	38.2	57.2
154	87.6	71.8	107.8

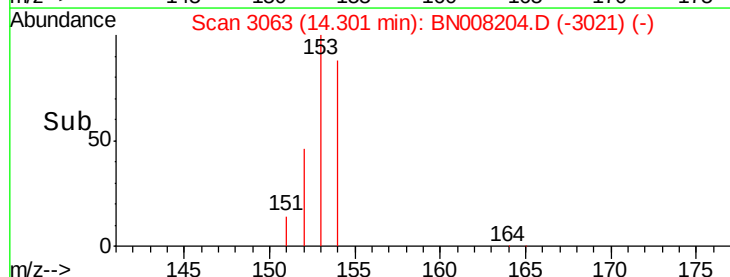
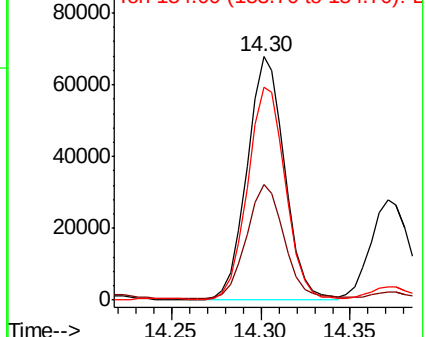


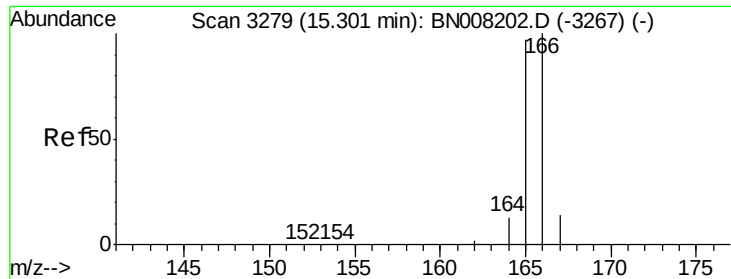
Abundance

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: 2.837 ng/ul

RT: 15.30 min Scan# 3278

Delta R.T. -0.00 min

Lab File: BN008204.D

Acq: 16 Oct 2019 18:31

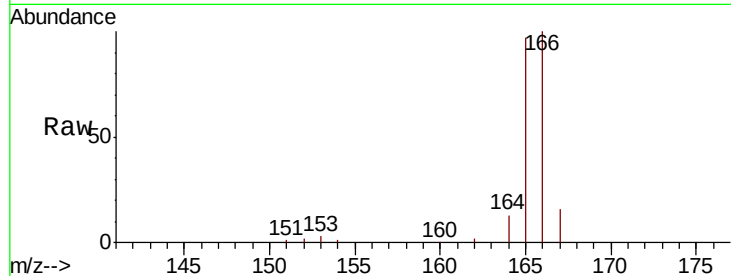
Tot Ion:166 Resp: 118920

Ion Ratio Lower Upper

166 100

165 97.1 76.6 115.0

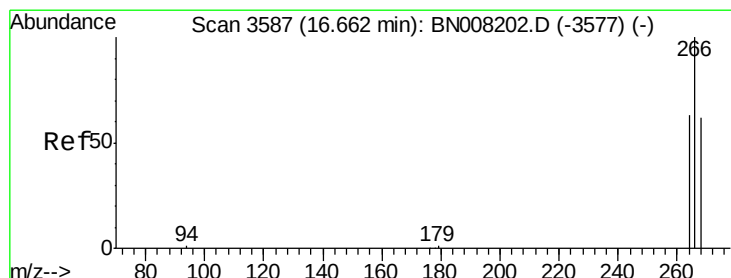
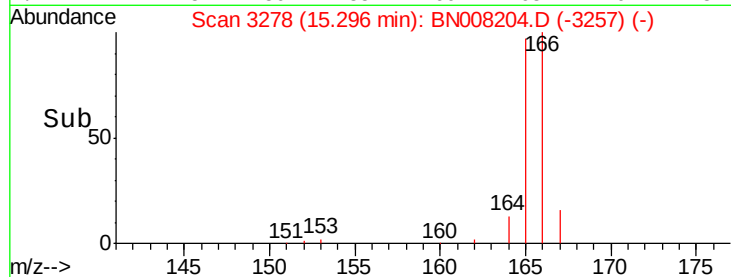
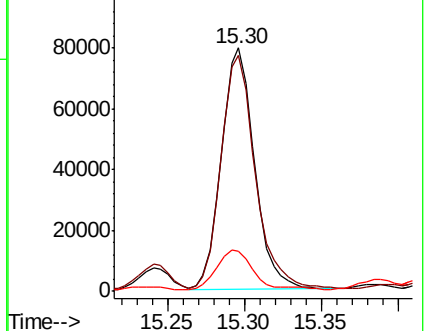
167 16.5 11.7 17.5



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



#11

Pentachlorophenol

Concen: 0.039 ng/ul

RT: 16.65 min Scan# 3585

Delta R.T. -0.01 min

Lab File: BN008204.D

Acq: 16 Oct 2019 18:31

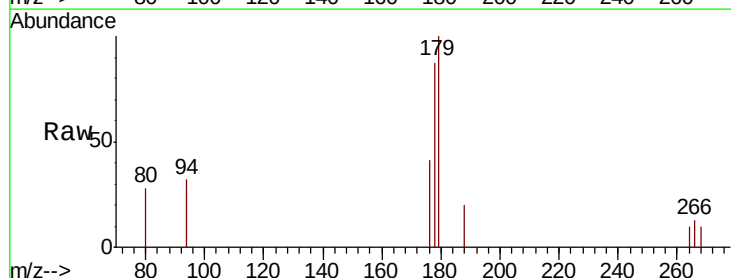
Tgt Ion:266 Resp: 196

Ion Ratio Lower Upper

266 100

264 83.7 50.1 75.1#

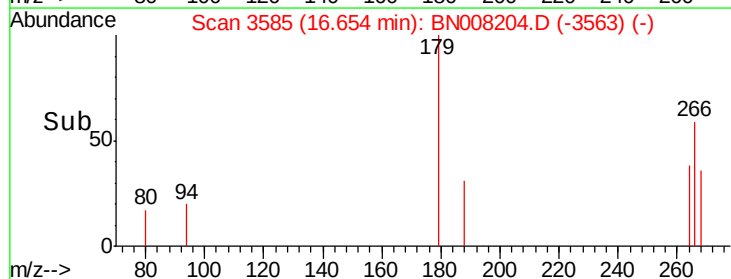
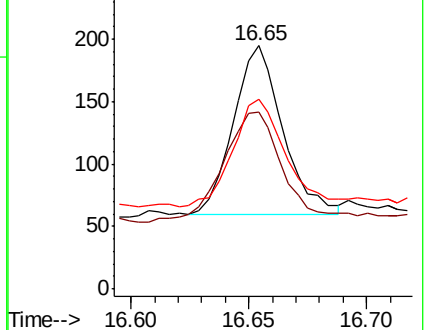
268 71.4 51.9 77.9

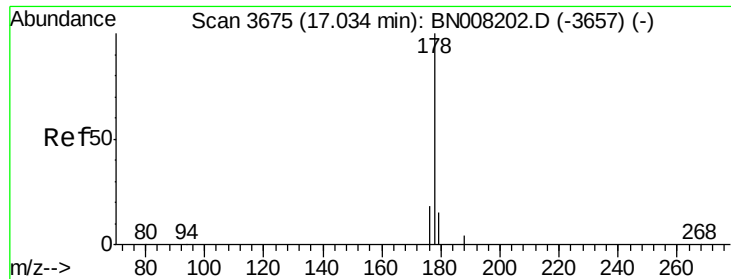


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 51.579 ng/ul

RT: 17.04 min Scan# 3676

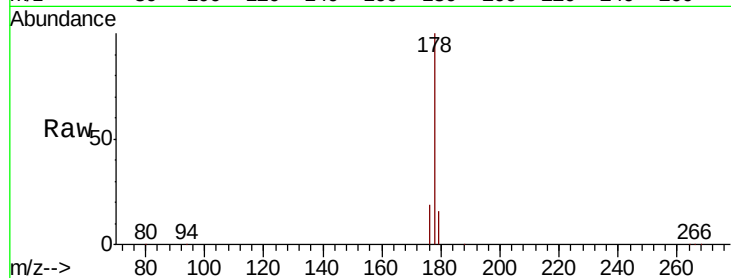
Delta R.T. 0.00 min

Lab File: BN008204.D

Acq: 16 Oct 2019 18:31

Tot Ion:178 Resp: 3138312

Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.8	19.2
176	18.7	15.4	23.2

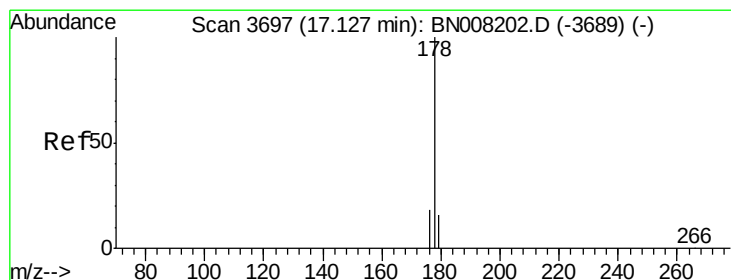
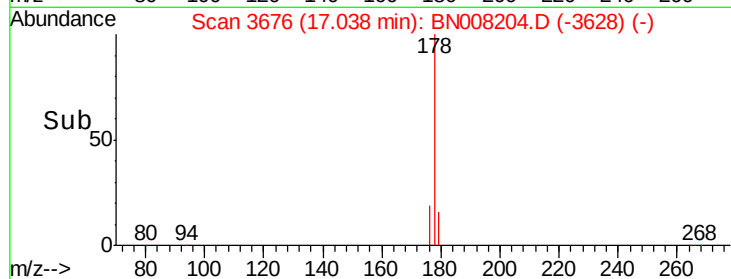
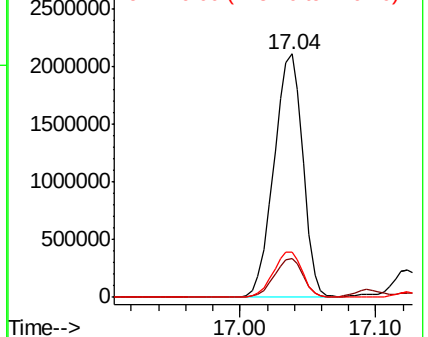


Abundance

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: 6.379 ng/ul

RT: 17.12 min Scan# 3696

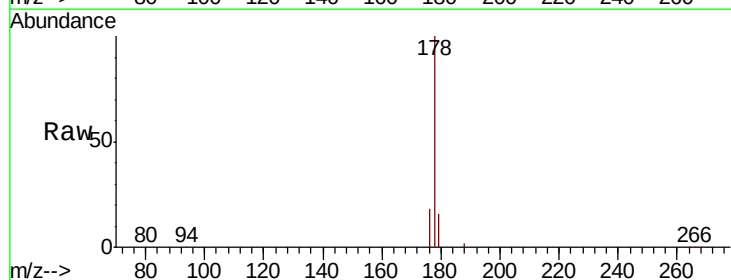
Delta R.T. -0.00 min

Lab File: BN008204.D

Acq: 16 Oct 2019 18:31

Tgt Ion:178 Resp: 341576

Ion	Ratio	Lower	Upper
178	100		
179	16.0	13.0	19.6
176	18.2	15.0	22.6

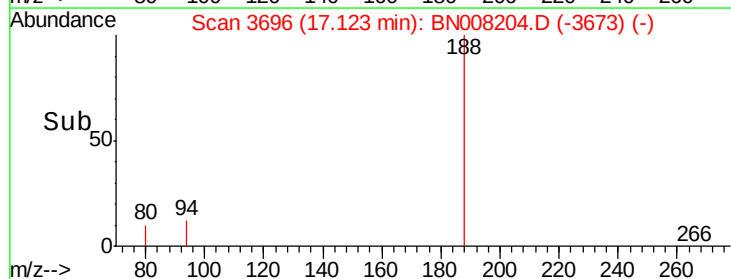
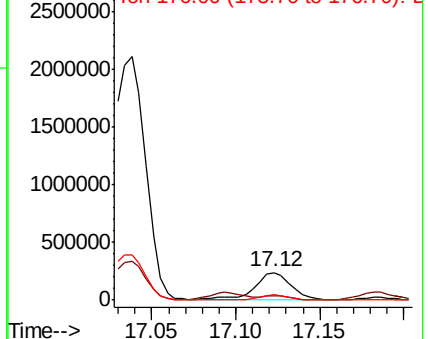


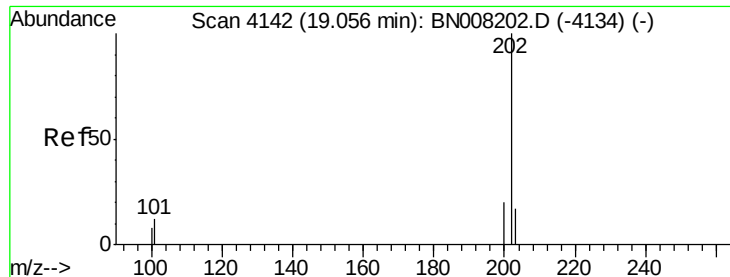
Abundance

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

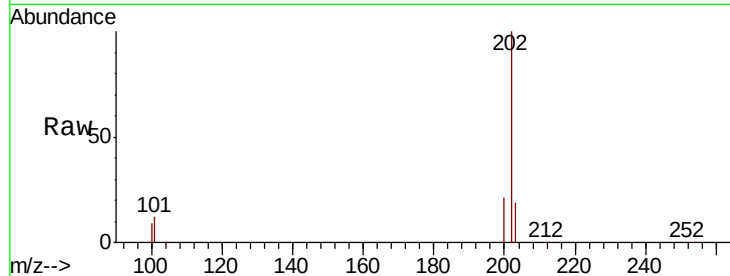




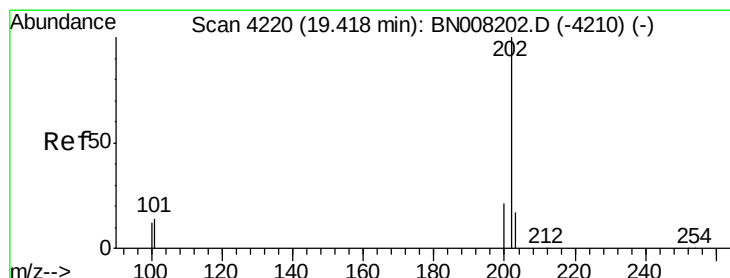
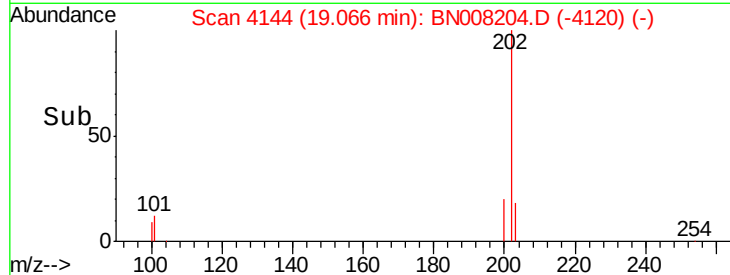
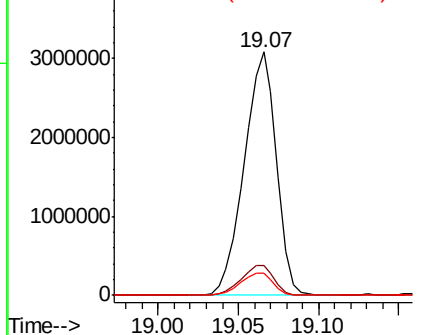
#15
 Fluoranthene
 Concen: 53.353 ng/ul
 RT: 19.07 min Scan# 4144
 Delta R.T. 0.01 min
 Lab File: BN008204.D
 Acq: 16 Oct 2019 18:31

Tot Ion:202 Resp: 4287472

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.2
100	9.4	0.0	28.5



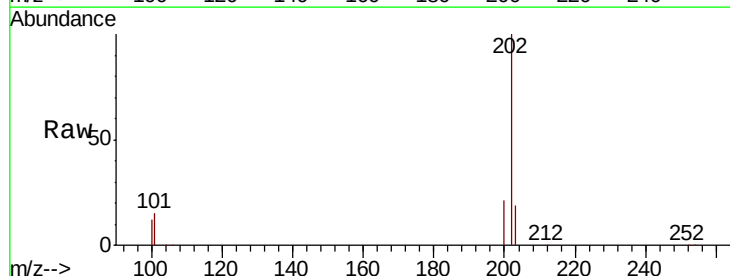
Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



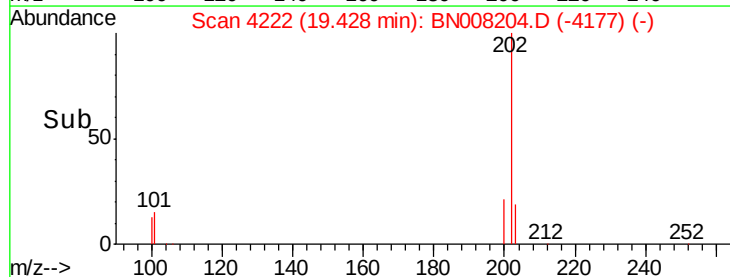
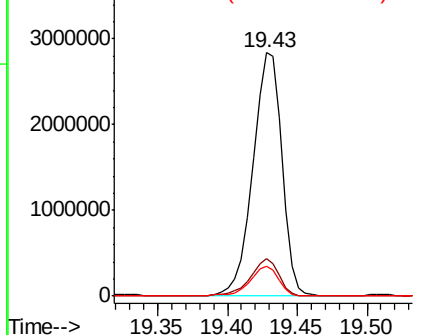
#17
 Pyrene
 Concen: 66.087 ng/ul
 RT: 19.43 min Scan# 4222
 Delta R.T. 0.01 min
 Lab File: BN008204.D
 Acq: 16 Oct 2019 18:31

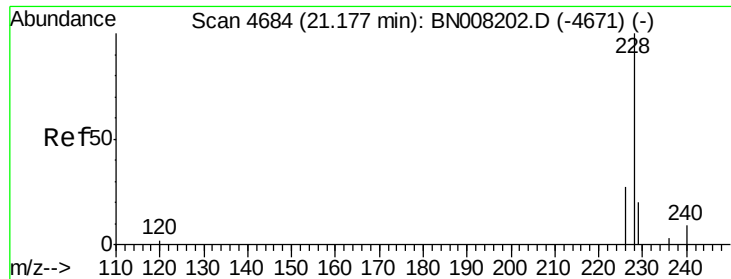
Tgt Ion:202 Resp: 4137860

Ion	Ratio	Lower	Upper
202	100		
101	15.3	10.9	16.3
100	12.5	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

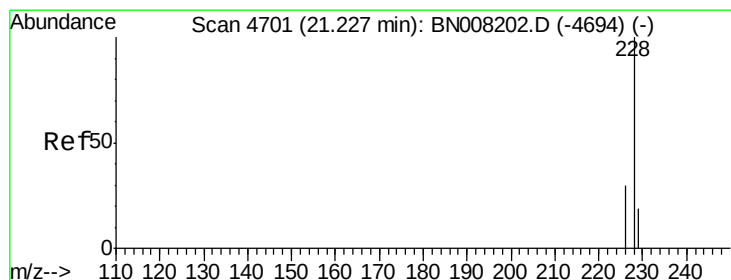
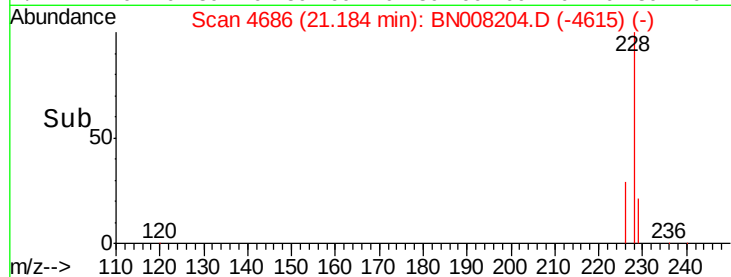
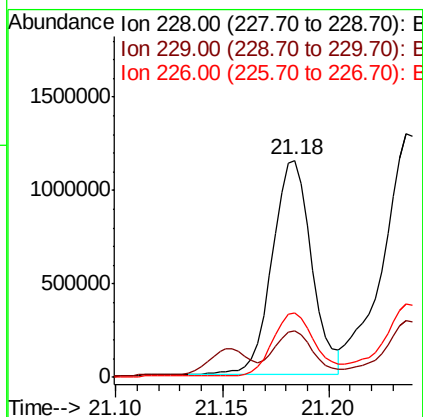
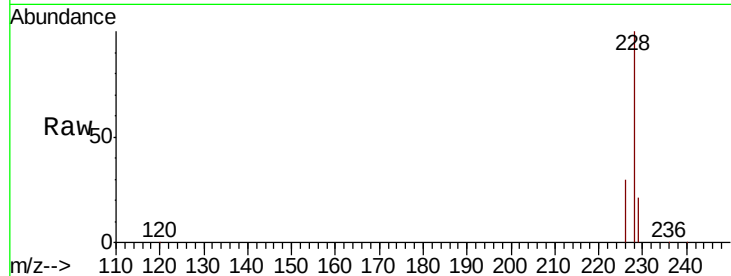




#18
Benzo(a)anthracene
Concen: 25.928 ng/ul
RT: 21.18 min Scan# 4686
Delta R.T. 0.01 min
Lab File: BN008204.D
Acq: 16 Oct 2019 18:31

Tot Ion:228 Resp: 1482345

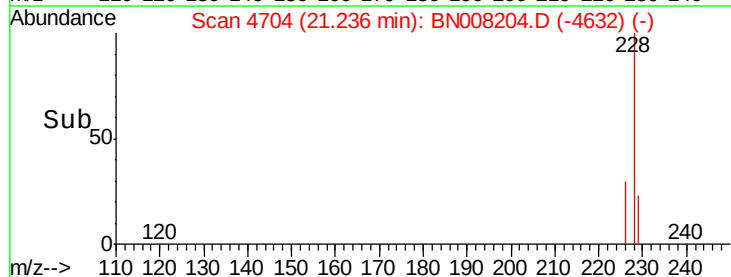
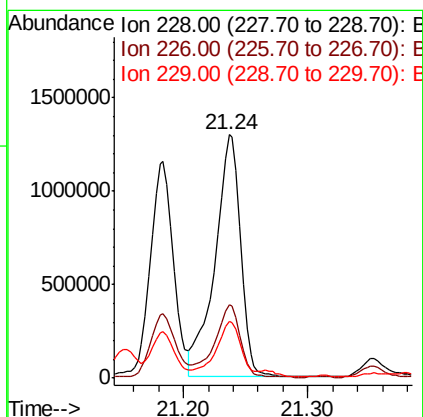
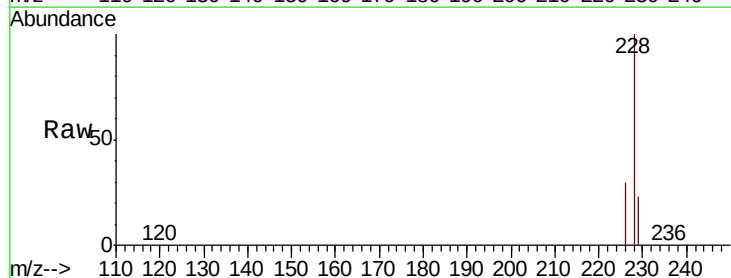
Ion	Ratio	Lower	Upper
228	100		
229	21.4	16.2	24.2
226	29.8	21.4	32.0

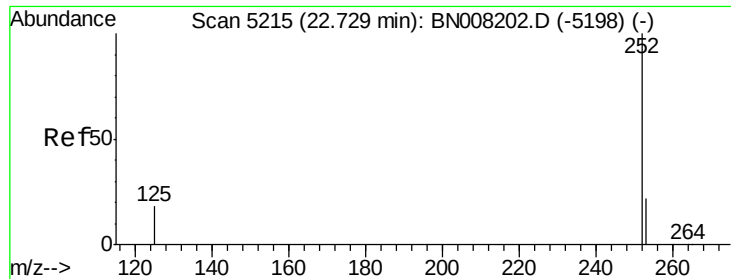


#19
Chrysene
Concen: 26.600 ng/ul
RT: 21.24 min Scan# 4704
Delta R.T. 0.01 min
Lab File: BN008204.D
Acq: 16 Oct 2019 18:31

Tgt Ion:228 Resp: 1866254

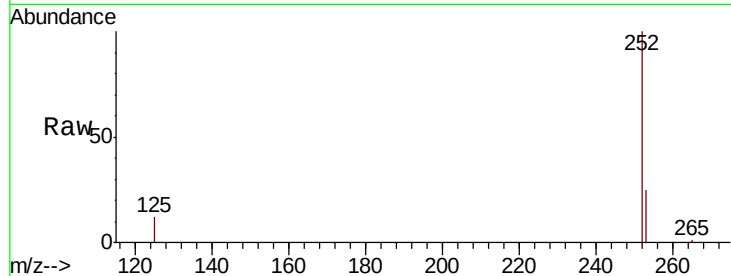
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.1	36.1
229	23.3	16.2	24.2



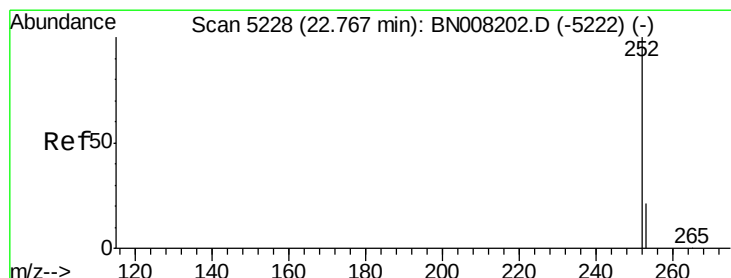
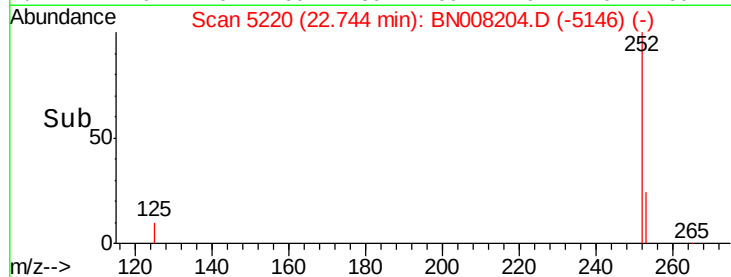
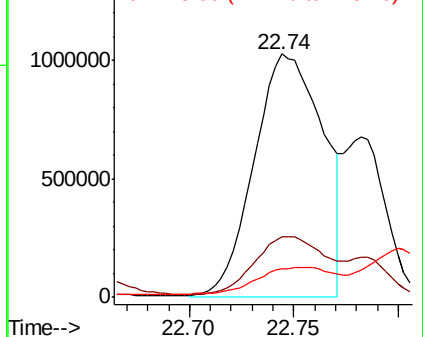


#21
Benzo(b)fluoranthene
Concen: 47.010 ng/ul m
RT: 22.74 min Scan# 5220
Delta R.T. 0.02 min
Lab File: BN008204.D
Acq: 16 Oct 2019 18:31

Tot Ion:252 Resp: 2354899
Ion Ratio Lower Upper
252 100
253 24.9 0.0 53.4
125 11.7 0.0 32.4

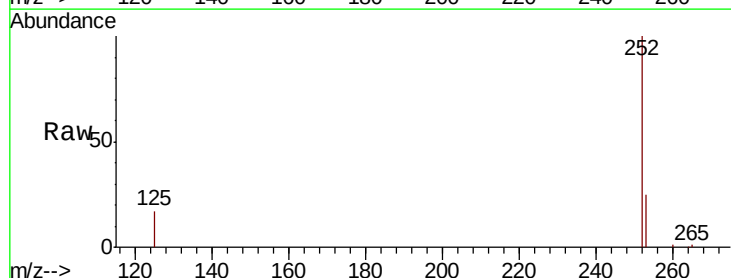


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

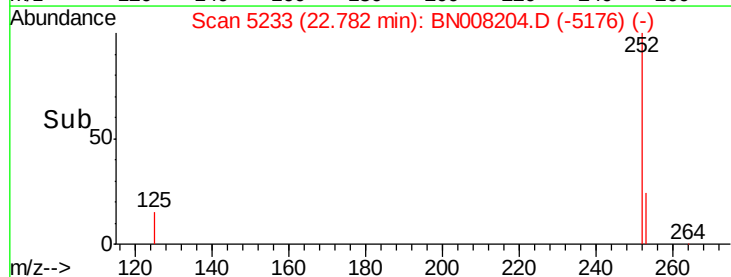
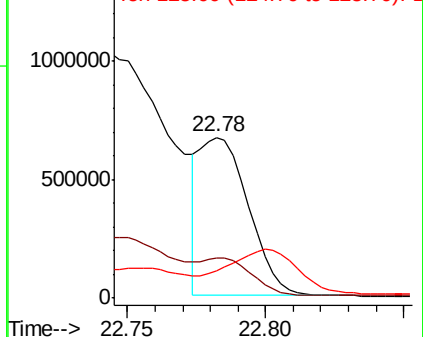


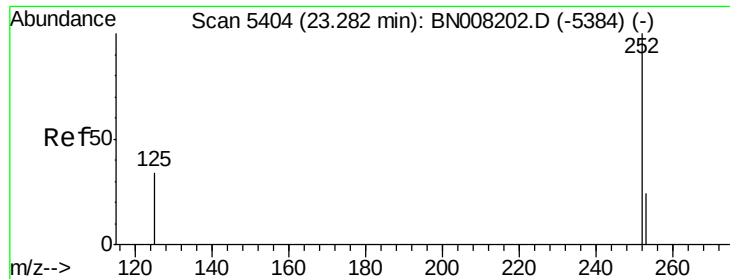
#22
Benzo(k)fluoranthene
Concen: 14.392 ng/ul m
RT: 22.78 min Scan# 5233
Delta R.T. 0.02 min
Lab File: BN008204.D
Acq: 16 Oct 2019 18:31

Tgt Ion:252 Resp: 816656
Ion Ratio Lower Upper
252 100
253 25.2 21.3 31.9
125 16.8 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

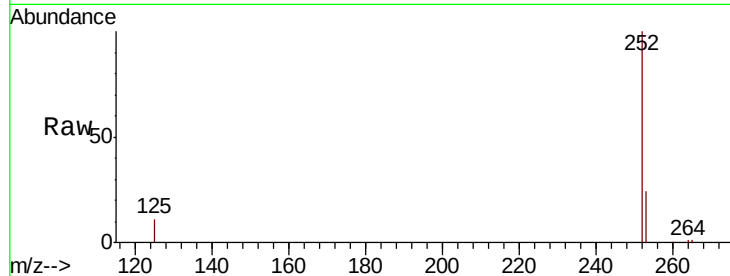




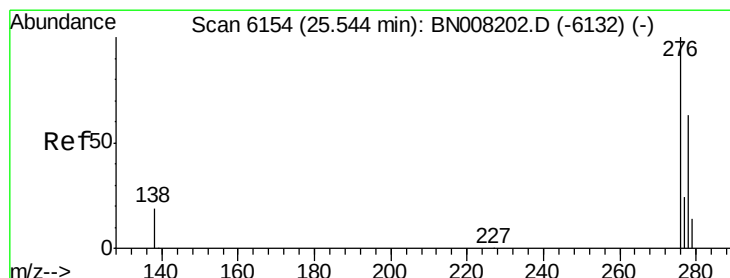
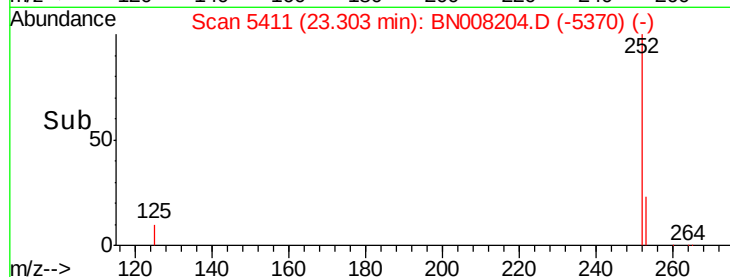
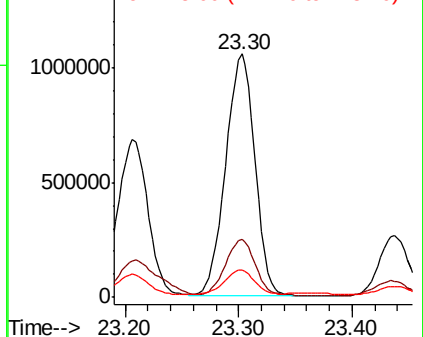
#23
Benzo(a)pyrene
Concen: 35.902 ng/ul
RT: 23.30 min Scan# 5411
Delta R.T. 0.02 min
Lab File: BN008204.D
Acq: 16 Oct 2019 18:31

Tot Ion:252 Resp: 1892521

Ion	Ratio	Lower	Upper
252	100		
253	23.8	22.8	34.2
125	11.3	18.4	27.6



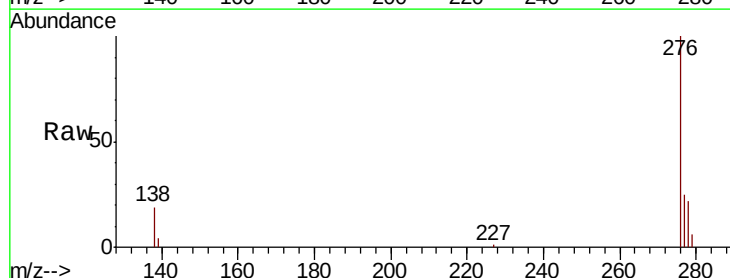
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



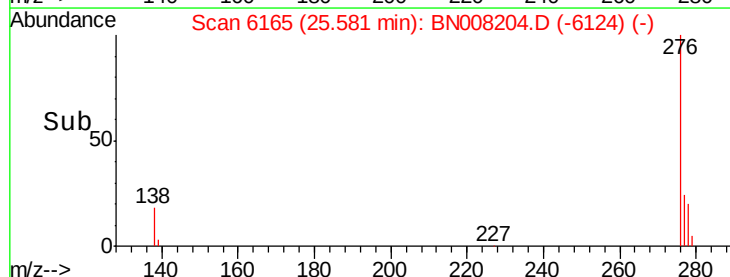
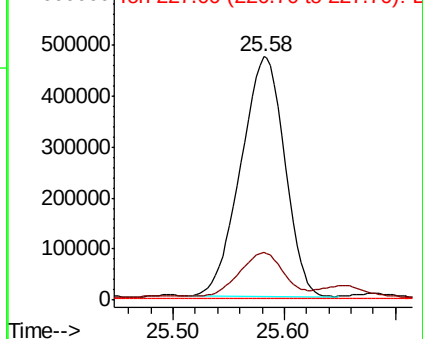
#24
Indeno(1,2,3-cd)pyrene
Concen: 20.866 ng/ul
RT: 25.58 min Scan# 6165
Delta R.T. 0.04 min
Lab File: BN008204.D
Acq: 16 Oct 2019 18:31

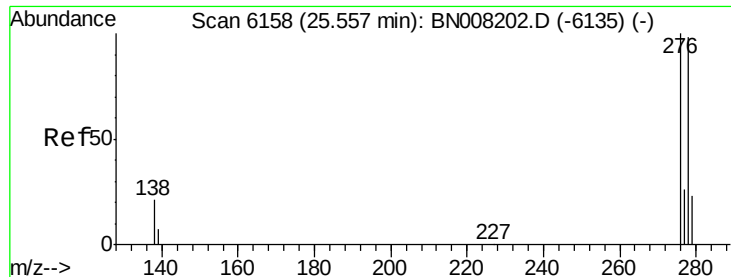
Tgt Ion:276 Resp: 1295454

Ion	Ratio	Lower	Upper
276	100		
138	19.4	16.1	24.1
227	0.0	0.2	0.2



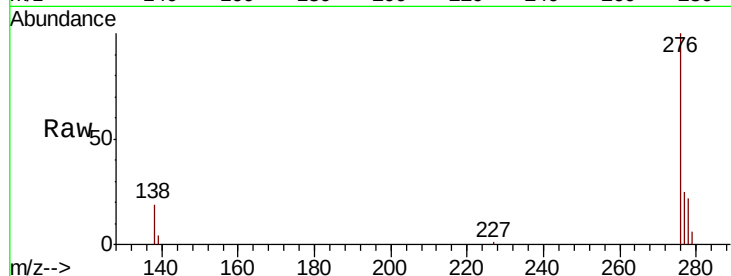
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



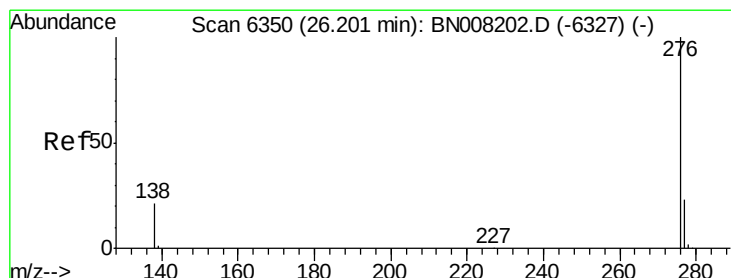
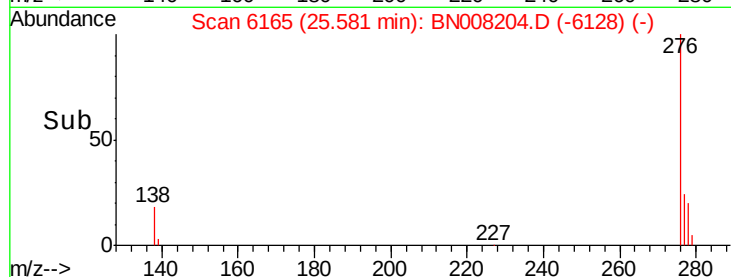
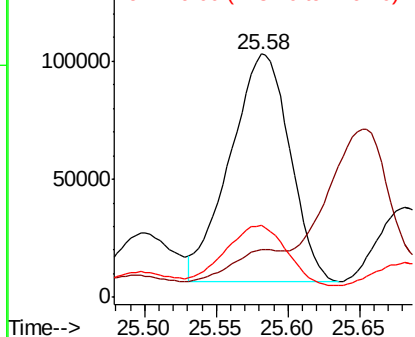


#25
Dibenzo(a,h)anthracene
Concen: 5.698 ng/ul
RT: 25.58 min Scan# 6165
Delta R.T. 0.02 min
Lab File: BN008204.D
Acq: 16 Oct 2019 18:31

Tot Ion	Ratio	Lower	Upper
278	100		
139	19.6	15.0	22.6
279	29.4	22.4	33.6

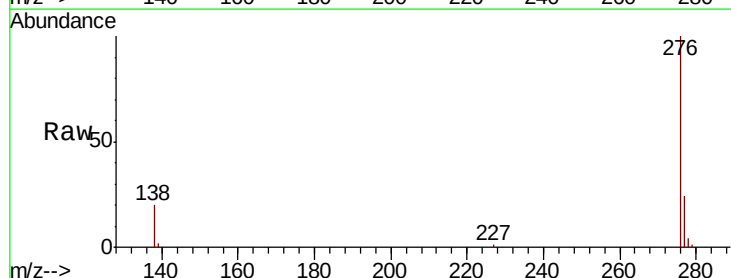


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 22.905 ng/ul
RT: 26.26 min Scan# 6366
Delta R.T. 0.05 min
Lab File: BN008204.D
Acq: 16 Oct 2019 18:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.1	17.0	25.4
277	24.4	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

