

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120619\
 Data File : BN008874.D
 Acq On : 06 Dec 2019 23:48
 Operator : JU
 Sample : K6007-16
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 07 01:37:38 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN111519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 06 23:00:12 2019
 Response via : Initial Calibration

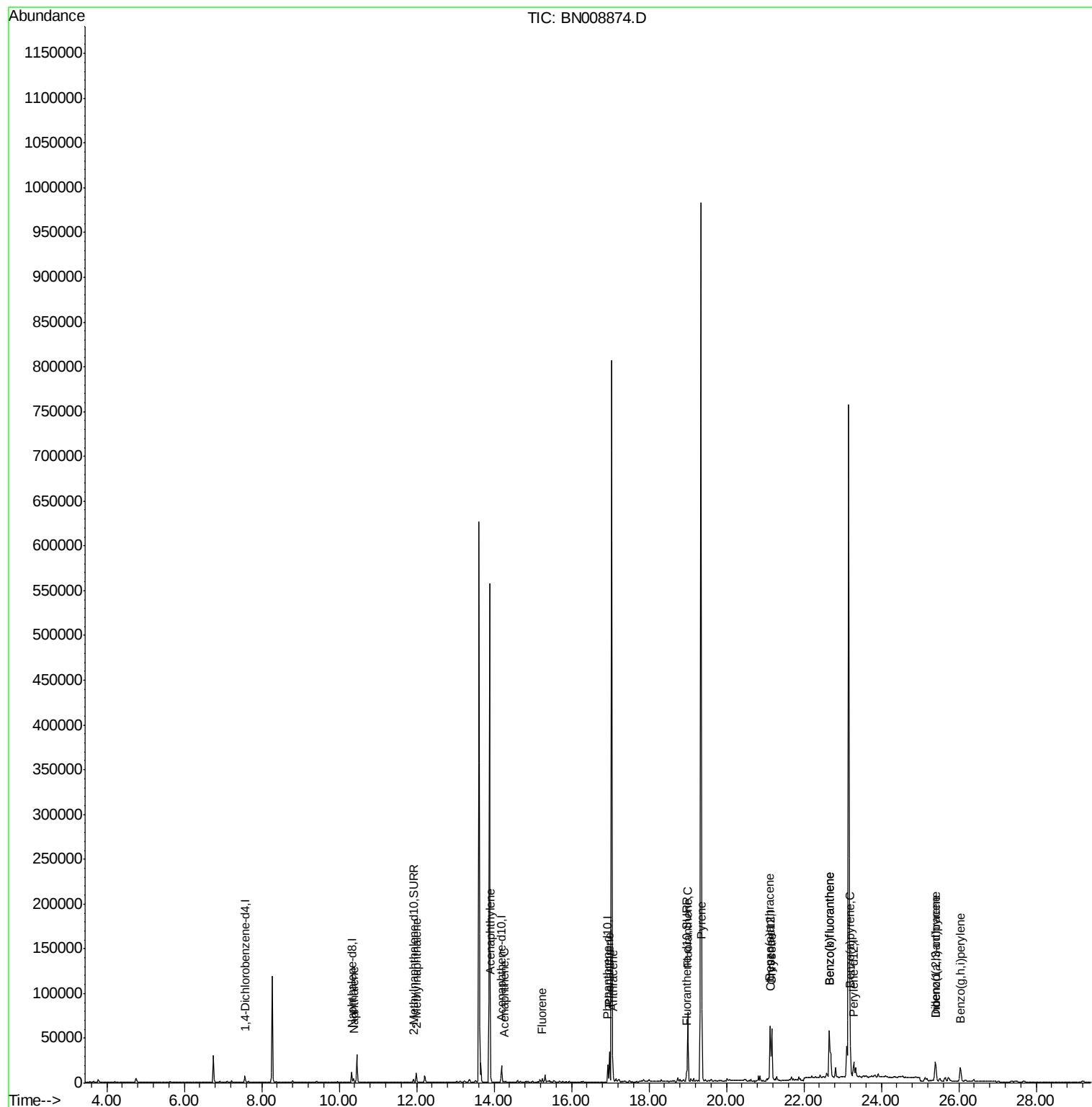
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	3022	0.40	ng/ul	0.00
2) Naphthalene-d8	10.32	136	13801	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	9436	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	21221	0.40	ng/ul	0.00
16) Chrysene-d12	21.14	240	19213	0.40	ng/ul	0.00
20) Perylene-d12	23.28	264	21310	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.92	152	4326	0.19	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	12764	0.20	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.37	128	6342	0.152	ng/ul	97
5) 2-Methylnaphthalene	11.99	142	7299	0.251	ng/ul	99
7) Acenaphthylene	13.91	152	7757	0.149	ng/ul	97
8) Acenaphthene	14.26	153	907	0.023	ng/ul#	94
9) Fluorene	15.25	166	1895	0.042	ng/ul#	83
12) Phenanthrene	16.98	178	35511	0.496	ng/ul	99
13) Anthracene	17.07	178	7599	0.112	ng/ul#	94
15) Fluoranthene	19.00	202	65384	0.744	ng/ul	99
17) Pyrene	19.37	202	64627	0.838	ng/ul	97
18) Benzo(a)anthracene	21.12	228	48647	0.630	ng/ul#	93
19) Chrysene	21.17	228	60430	0.796	ng/ul#	95
21) Benzo(b)fluoranthene	22.65	252	104814	1.193	ng/ul	98
22) Benzo(k)fluoranthene	22.65	252	104814	1.203	ng/ul	96
23) Benzo(a)pyrene	23.19	252	43976	0.533	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.40	276	30409	0.315	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.40	278	9880	0.127	ng/ul#	79
26) Benzo(a,h,i)perylene	26.04	276	29053	0.360	ng/ul	99

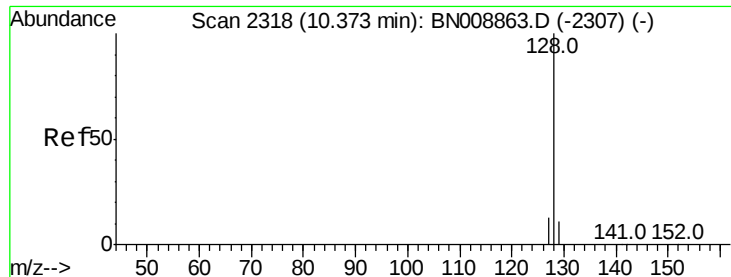
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 06 23:00:12 2019
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#3

Naphthalene

Concen: 0.152 ng/ul

RT: 10.37 min Scan# 2317

Delta R.T. -0.01 min

Lab File: BN008874.D

Acq: 06 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

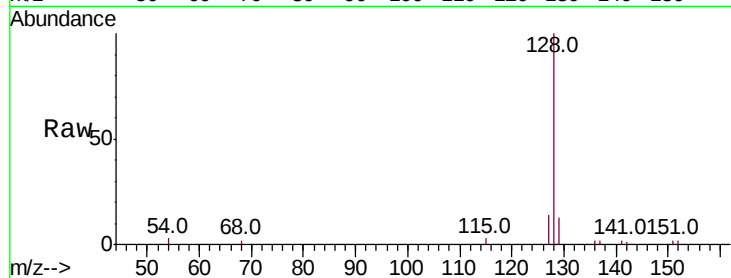
Tot Ion:128 Resp: 6342

Ion Ratio Lower Upper

128 100

129 12.7 9.1 13.7

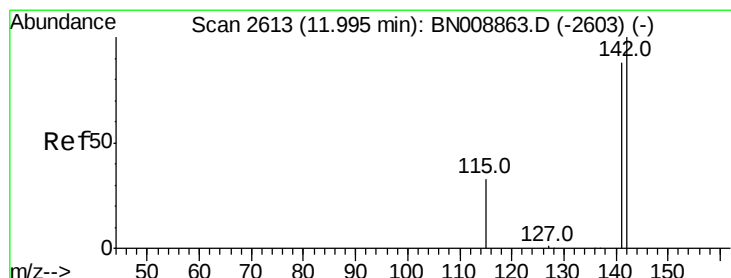
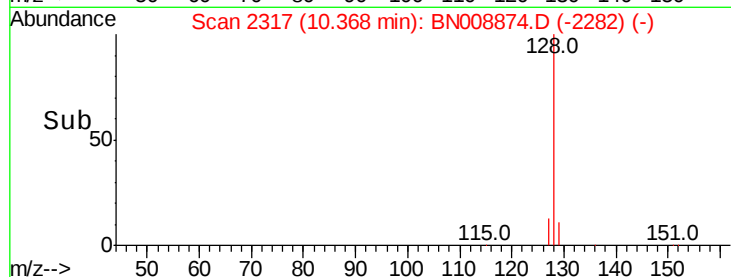
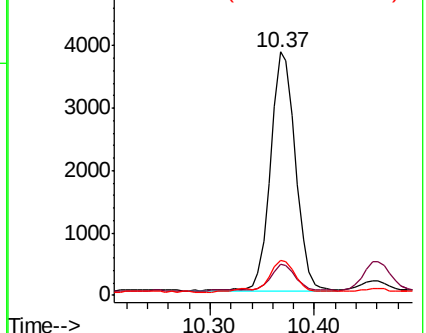
127 14.3 10.7 16.1



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: 0.251 ng/ul

RT: 11.99 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BN008874.D

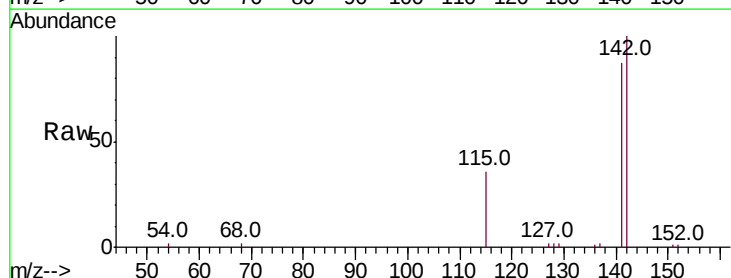
Acq: 06 Dec 2019 23:48

Tgt Ion:142 Resp: 7299

Ion Ratio Lower Upper

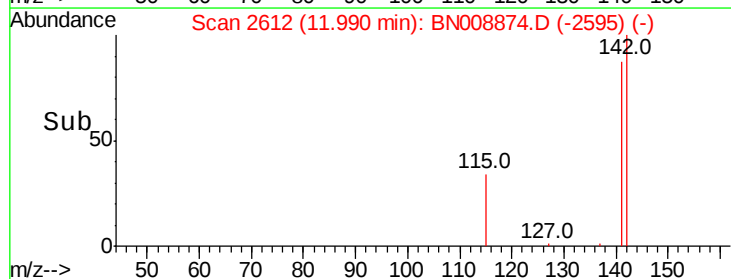
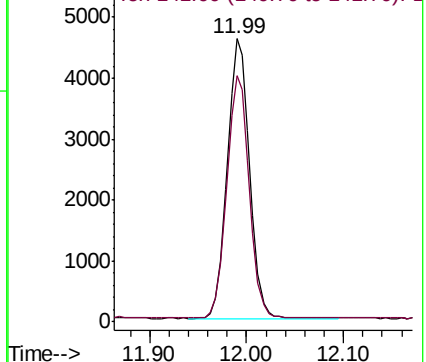
142 100

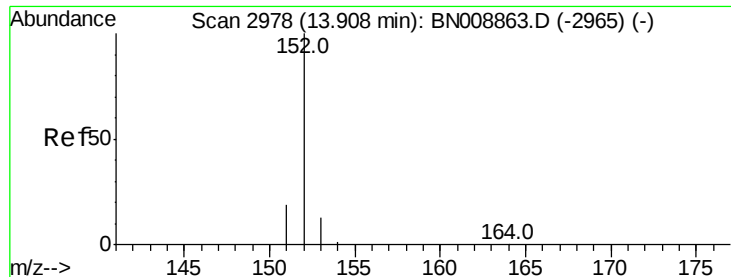
141 87.1 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.149 ng/ul

RT: 13.91 min Scan# 2978

Delta R.T. 0.00 min

Lab File: BN008874.D

Acq: 06 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

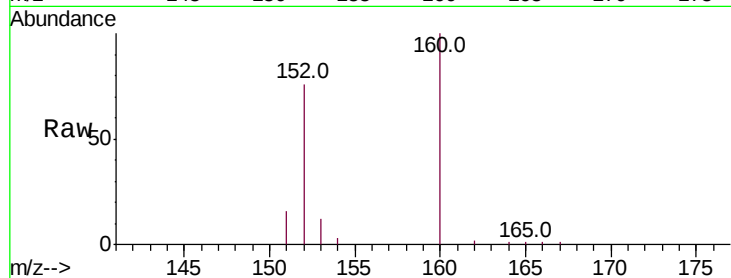
Tot Ion:152 Resp: 7757

Ion Ratio Lower Upper

152 100

151 20.5 15.8 23.6

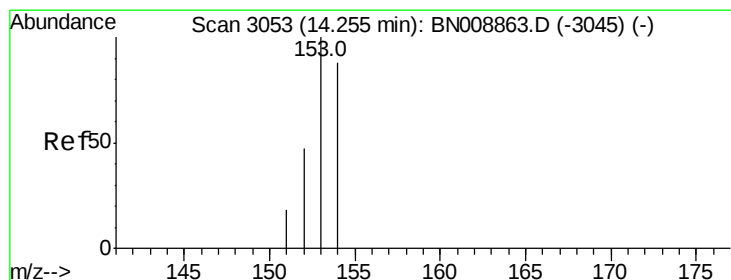
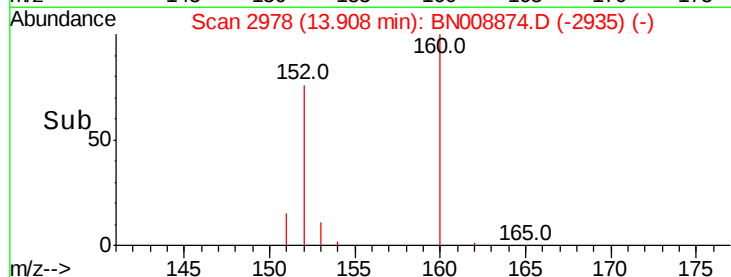
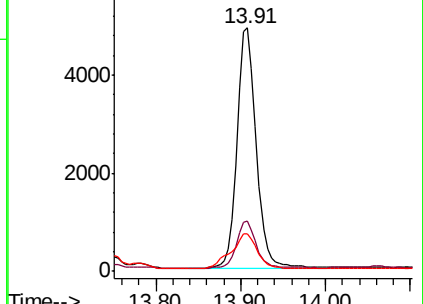
153 15.3 10.6 15.8



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: 0.023 ng/ul

RT: 14.26 min Scan# 3053

Delta R.T. -0.00 min

Lab File: BN008874.D

Acq: 06 Dec 2019 23:48

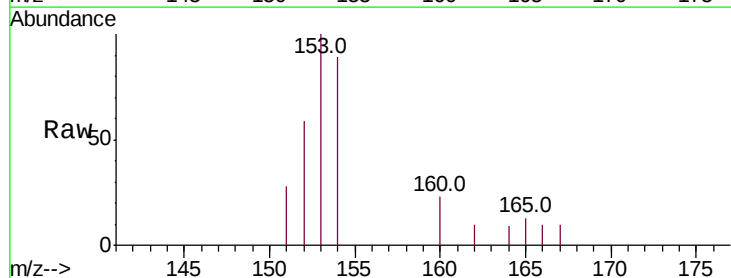
Tgt Ion:153 Resp: 907

Ion Ratio Lower Upper

153 100

152 58.7 38.6 58.0#

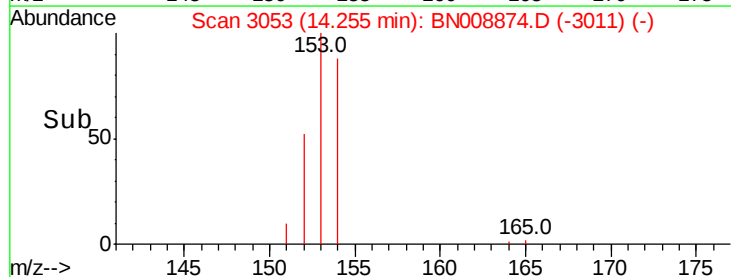
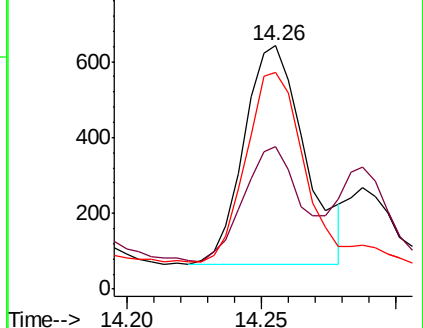
154 88.9 70.6 105.8

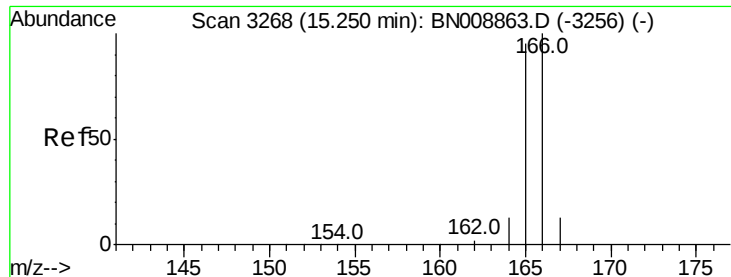


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.042 ng/ul

RT: 15.25 min Scan# 3267

Delta R.T. -0.00 min

Lab File: BN008874.D

Acq: 06 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

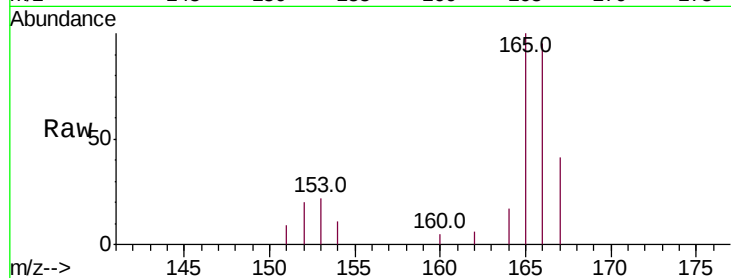
Tot Ion:166 Resp: 1895

Ion Ratio Lower Upper

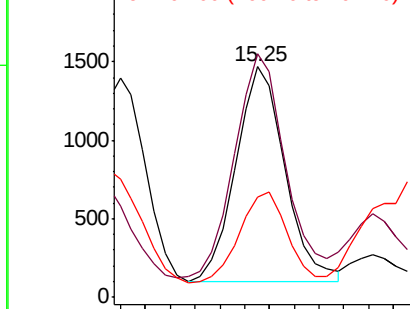
166 100

165 105.6 77.7 116.5

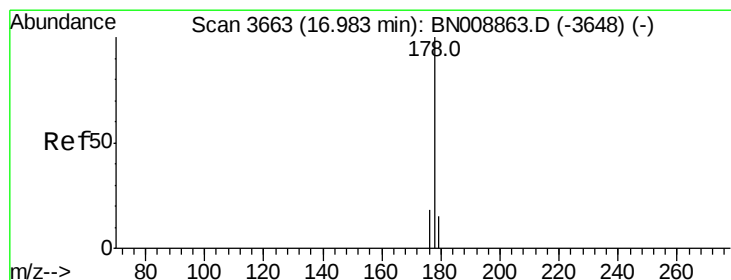
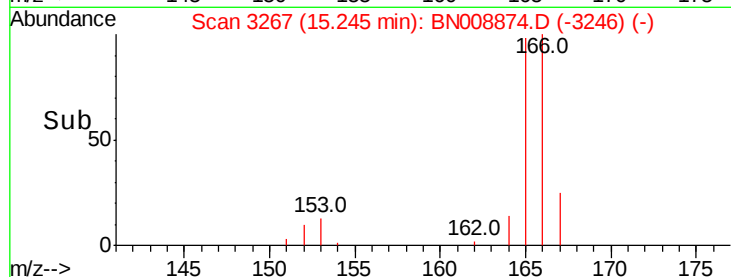
167 43.6 11.1 16.7#



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



Time-->



#12

Phenanthrene

Concen: 0.496 ng/ul

RT: 16.98 min Scan# 3662

Delta R.T. 0.00 min

Lab File: BN008874.D

Acq: 06 Dec 2019 23:48

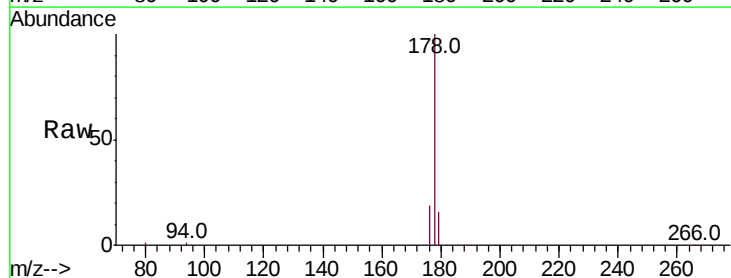
Tgt Ion:178 Resp: 35511

Ion Ratio Lower Upper

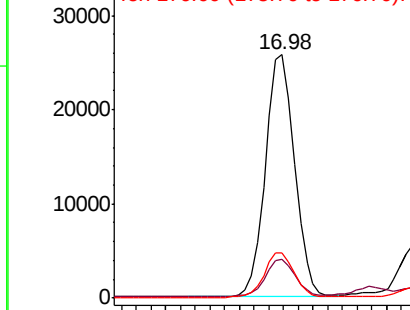
178 100

179 16.0 12.6 18.8

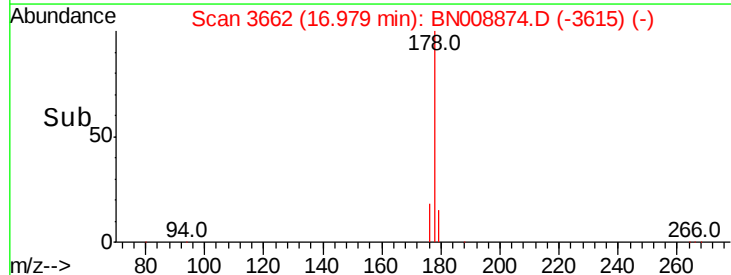
176 18.6 15.3 22.9

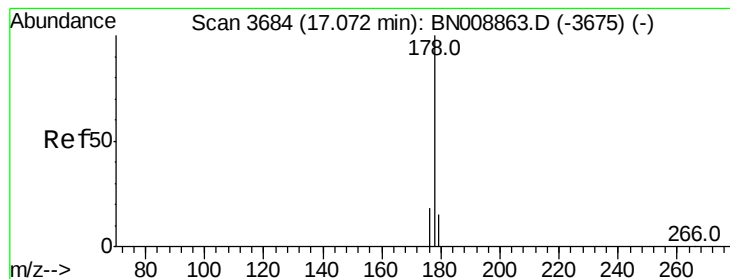


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



Time-->





#13

Anthracene

Concen: 0.112 ng/ul

RT: 17.07 min Scan# 3683

Delta R.T. -0.00 min

Lab File: BN008874.D

Acq: 06 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

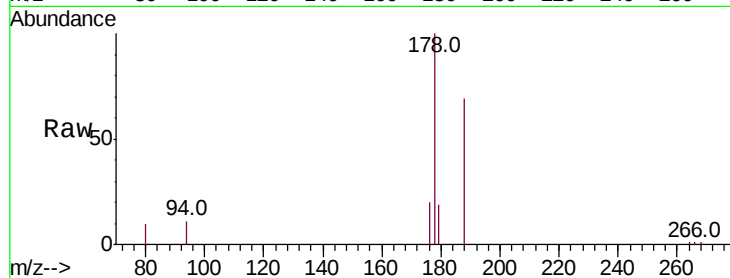
Tot Ion:178 Resp: 7599

Ion Ratio Lower Upper

178 100

179 19.2 12.2 18.4#

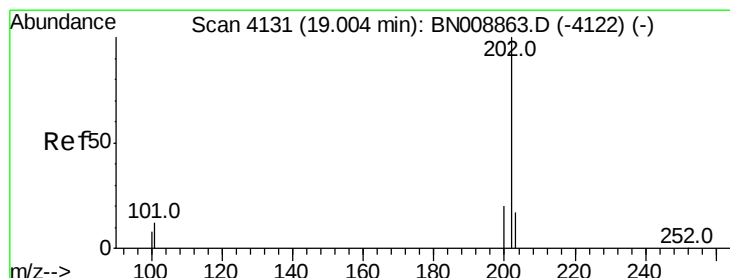
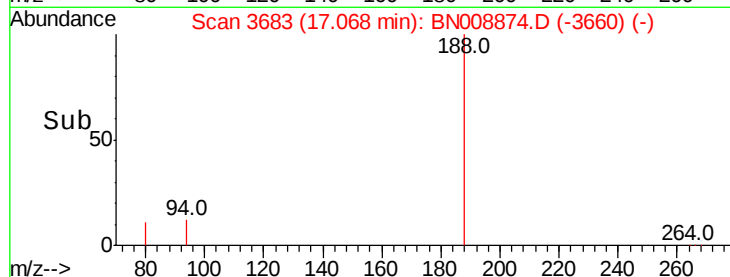
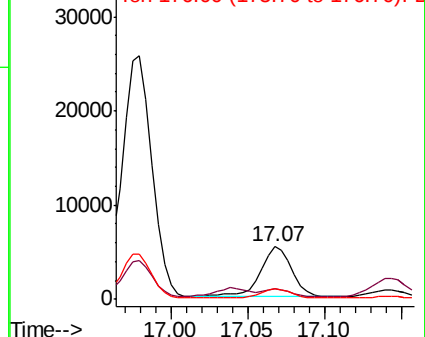
176 19.8 14.7 22.1



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: 0.744 ng/ul

RT: 19.00 min Scan# 4130

Delta R.T. -0.00 min

Lab File: BN008874.D

Acq: 06 Dec 2019 23:48

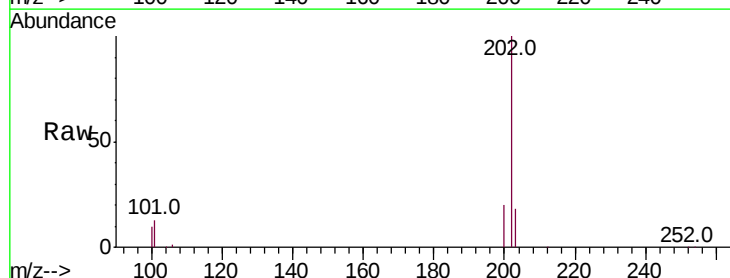
Tgt Ion:202 Resp: 65384

Ion Ratio Lower Upper

202 100

101 13.0 0.0 32.4

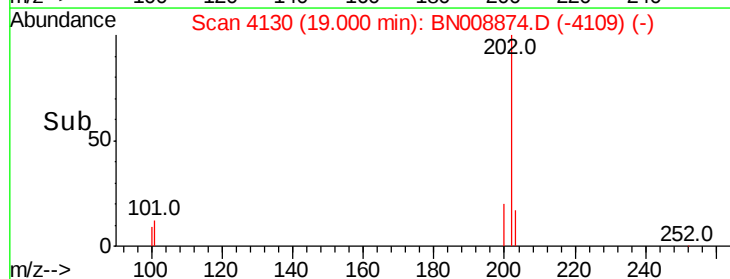
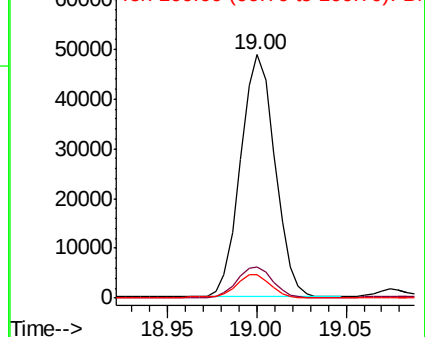
100 9.5 0.0 29.2

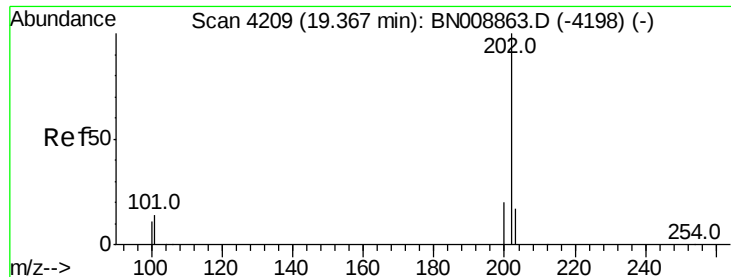


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

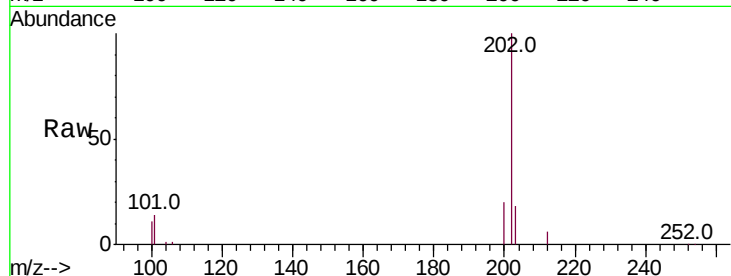




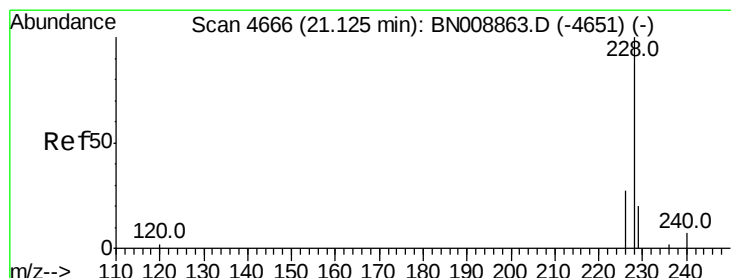
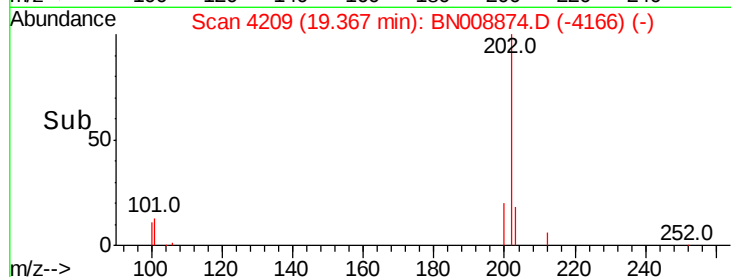
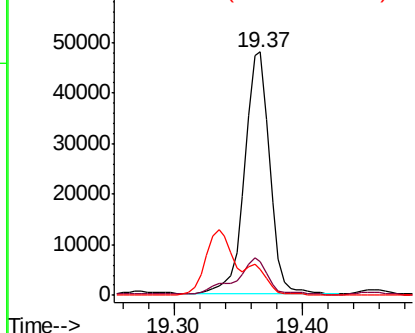
#17
Pvrene
Concen: 0.838 ng/ul
RT: 19.37 min Scan# 4209
Delta R.T. 0.00 min
Lab File: BN008874.D
Acq: 06 Dec 2019 23:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion:202 Resp: 64627
Ion Ratio Lower Upper
202 100
101 13.6 12.2 18.4
100 10.8 9.5 14.3

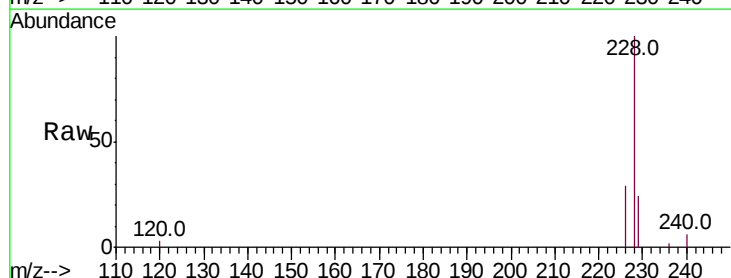


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

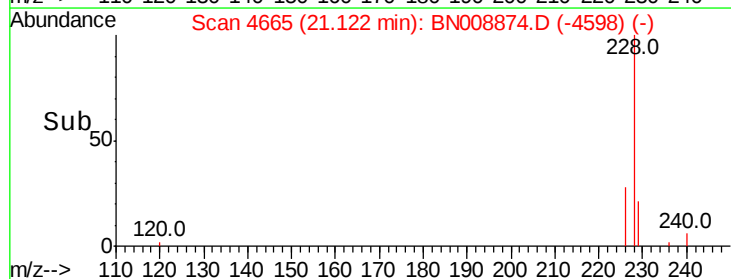
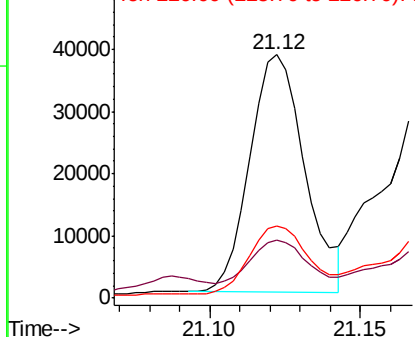


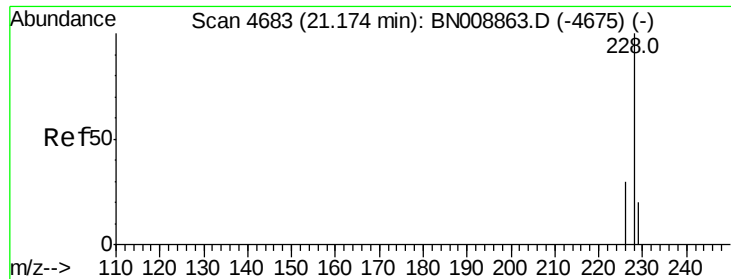
#18
Benzo(a)anthracene
Concen: 0.630 ng/ul
RT: 21.12 min Scan# 4665
Delta R.T. -0.01 min
Lab File: BN008874.D
Acq: 06 Dec 2019 23:48

Tgt Ion:228 Resp: 48647
Ion Ratio Lower Upper
228 100
229 23.8 15.7 23.5#
226 29.4 21.5 32.3



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: 0.796 ng/ul

RT: 21.17 min Scan# 4682

Delta R.T. -0.01 min

Lab File: BN008874.D

Acq: 06 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

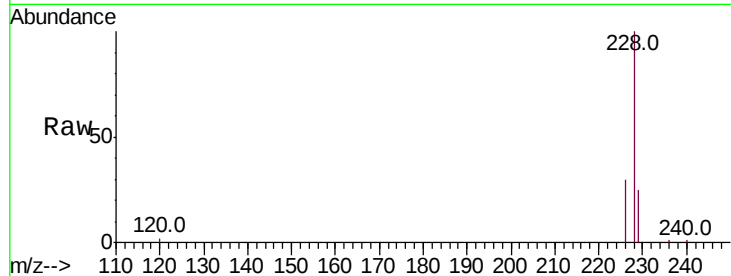
Tot Ion:228 Resp: 60430

Ion Ratio Lower Upper

228 100

226 30.3 23.8 35.6

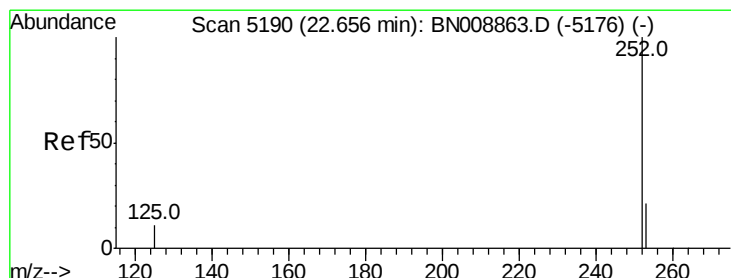
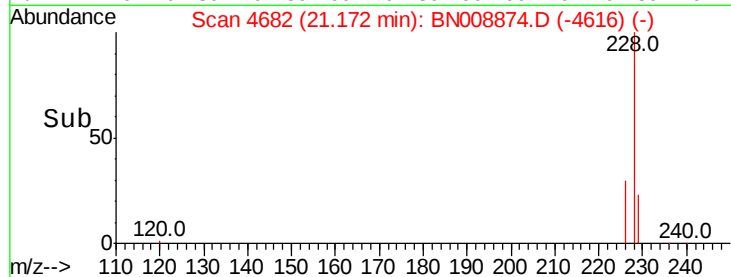
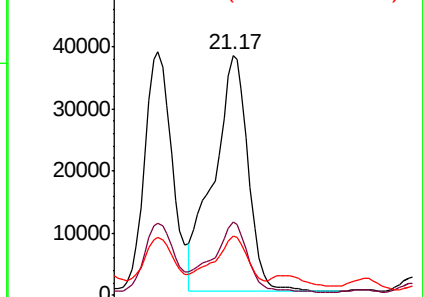
229 24.7 15.6 23.4#



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: 1.193 ng/ul

RT: 22.65 min Scan# 5189

Delta R.T. -0.01 min

Lab File: BN008874.D

Acq: 06 Dec 2019 23:48

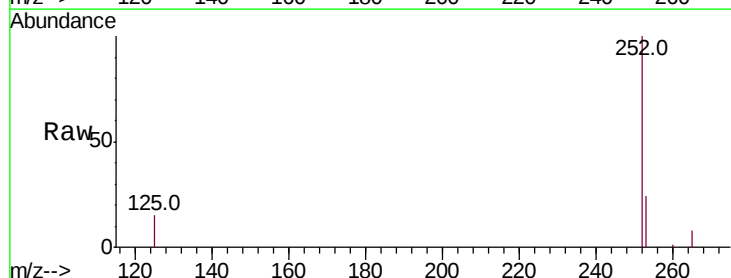
Tgt Ion:252 Resp: 104814

Ion Ratio Lower Upper

252 100

253 23.5 0.0 48.6

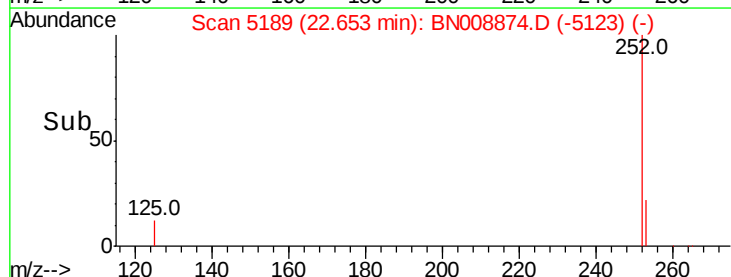
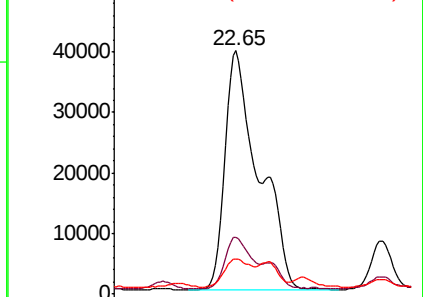
125 14.5 0.0 31.6

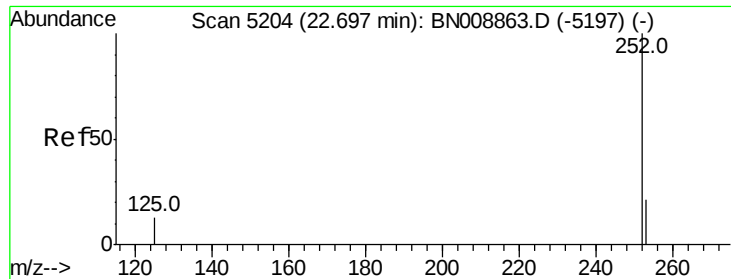


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.203 ng/ul

RT: 22.65 min Scan# 5189

Delta R.T. -0.05 min

Lab File: BN008874.D

Acq: 06 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

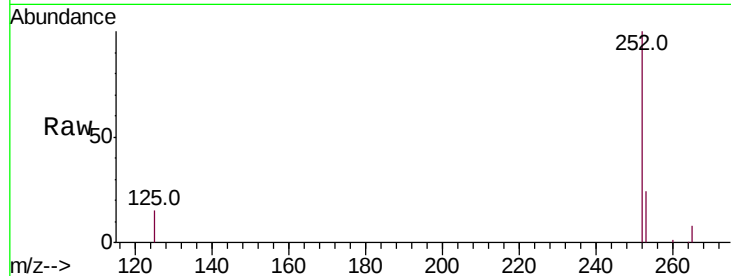
Tot Ion:252 Resp: 104814

Ion Ratio Lower Upper

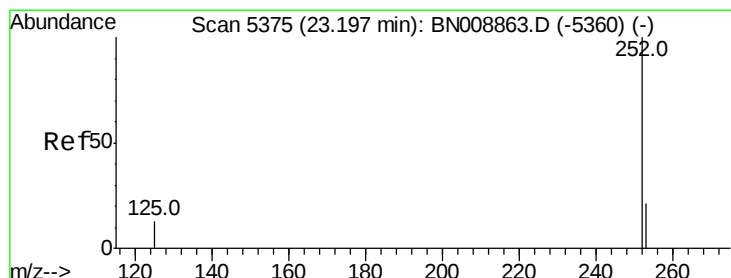
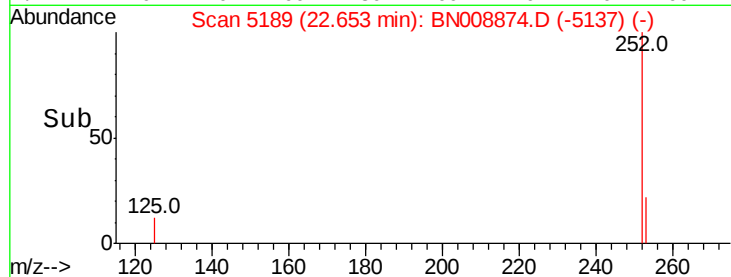
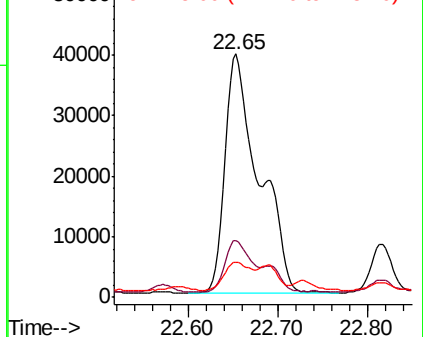
252 100

253 23.5 19.6 29.4

125 14.5 13.8 20.6



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



#23

Benzo(a)pyrene

Concen: 0.533 ng/ul

RT: 23.19 min Scan# 5374

Delta R.T. -0.01 min

Lab File: BN008874.D

Acq: 06 Dec 2019 23:48

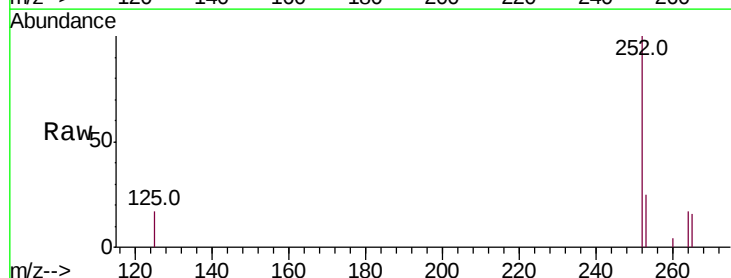
Tgt Ion:252 Resp: 43976

Ion Ratio Lower Upper

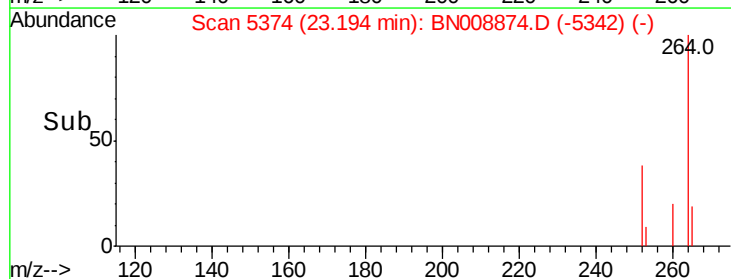
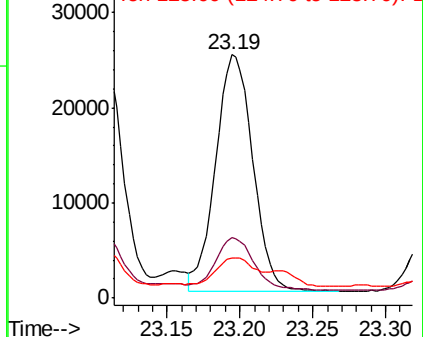
252 100

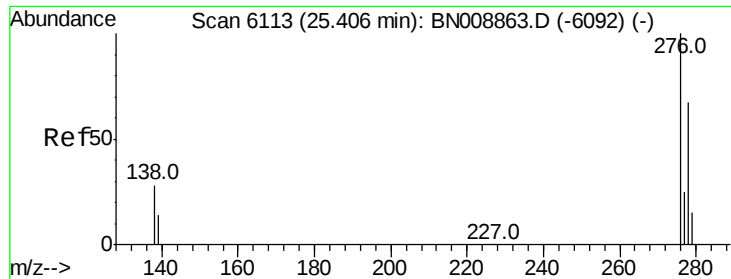
253 24.7 19.9 29.9

125 16.5 14.6 22.0



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

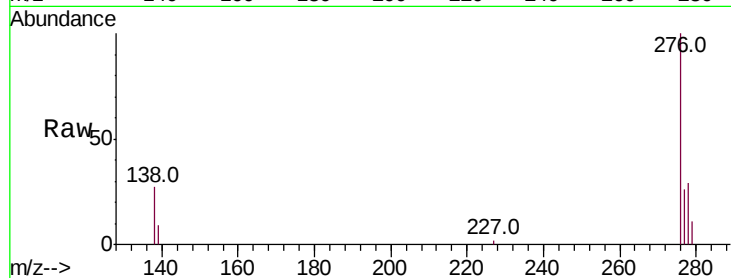




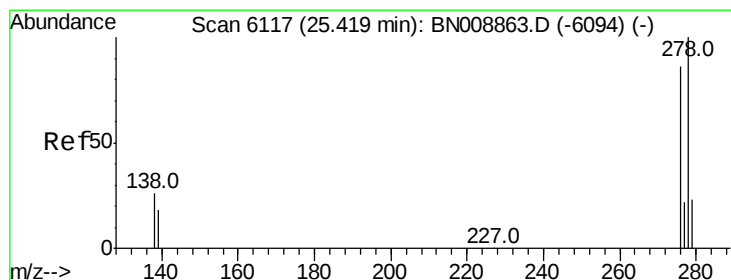
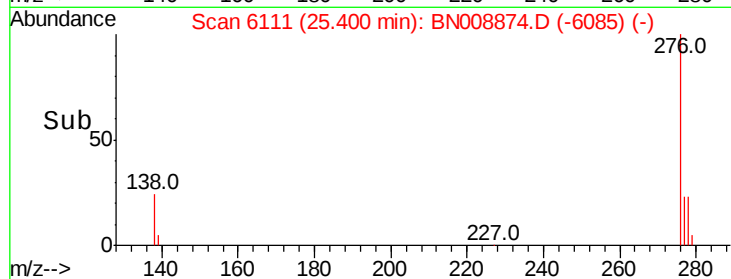
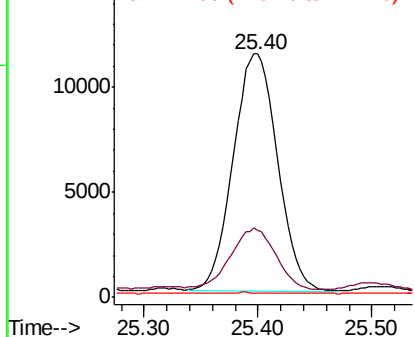
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.315 ng/ul
 RT: 25.40 min Scan# 6111
 Delta R.T. -0.01 min
 Lab File: BN008874.D
 Acq: 06 Dec 2019 23:48

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:276 Resp: 30409
 Ion Ratio Lower Upper
 276 100
 138 26.3 23.8 35.6
 227 0.6 0.2 0.2#

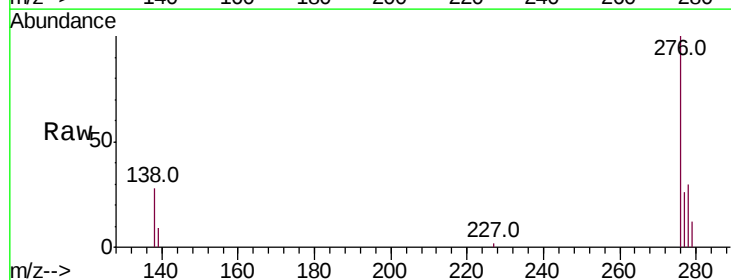


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 227.00 (226.70 to 227.70): E

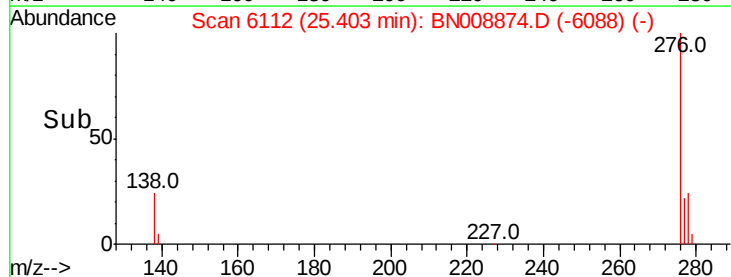
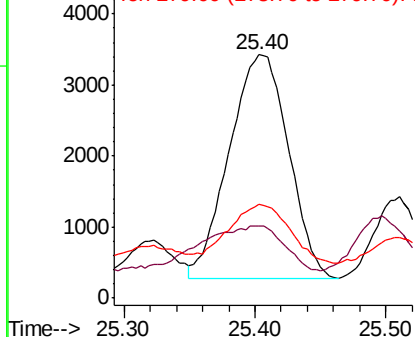


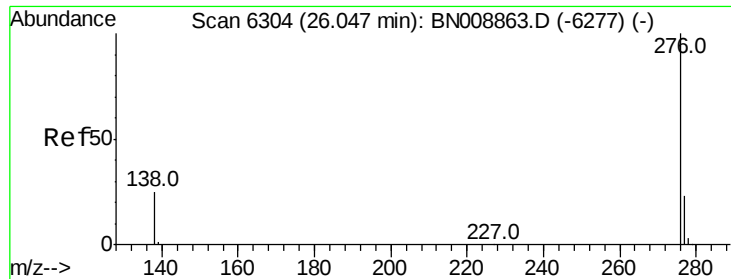
#25
 Dibenzo(a,h)anthracene
 Concen: 0.127 ng/ul
 RT: 25.40 min Scan# 6112
 Delta R.T. -0.02 min
 Lab File: BN008874.D
 Acq: 06 Dec 2019 23:48

Tgt Ion:278 Resp: 9880
 Ion Ratio Lower Upper
 278 100
 139 29.4 17.4 26.0#
 279 38.3 20.5 30.7#



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: 0.360 ng/ul

RT: 26.04 min Scan# 6302

Delta R.T. -0.01 min

Lab File: BN008874.D

Acq: 06 Dec 2019 23:48

Instrument :

BNA_N

ClientSampleId :

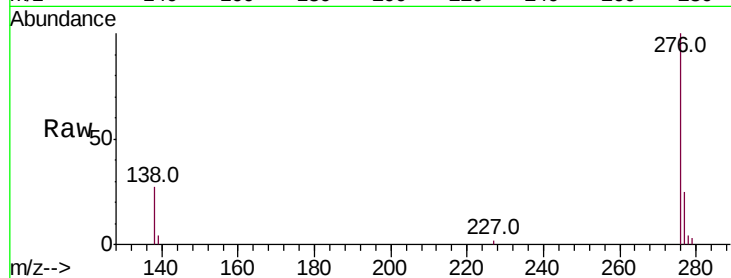
Tot Ion:276 Resp: 29053

Ion Ratio Lower Upper

276 100

138 26.8 21.9 32.9

277 24.8 19.9 29.9



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

