

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\
 Data File : BN009047.D
 Acq On : 20 Dec 2019 02:01
 Operator : JU
 Sample : K6171-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 20 05:06:58 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN121619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 19 15:54:16 2019
 Response via : Initial Calibration

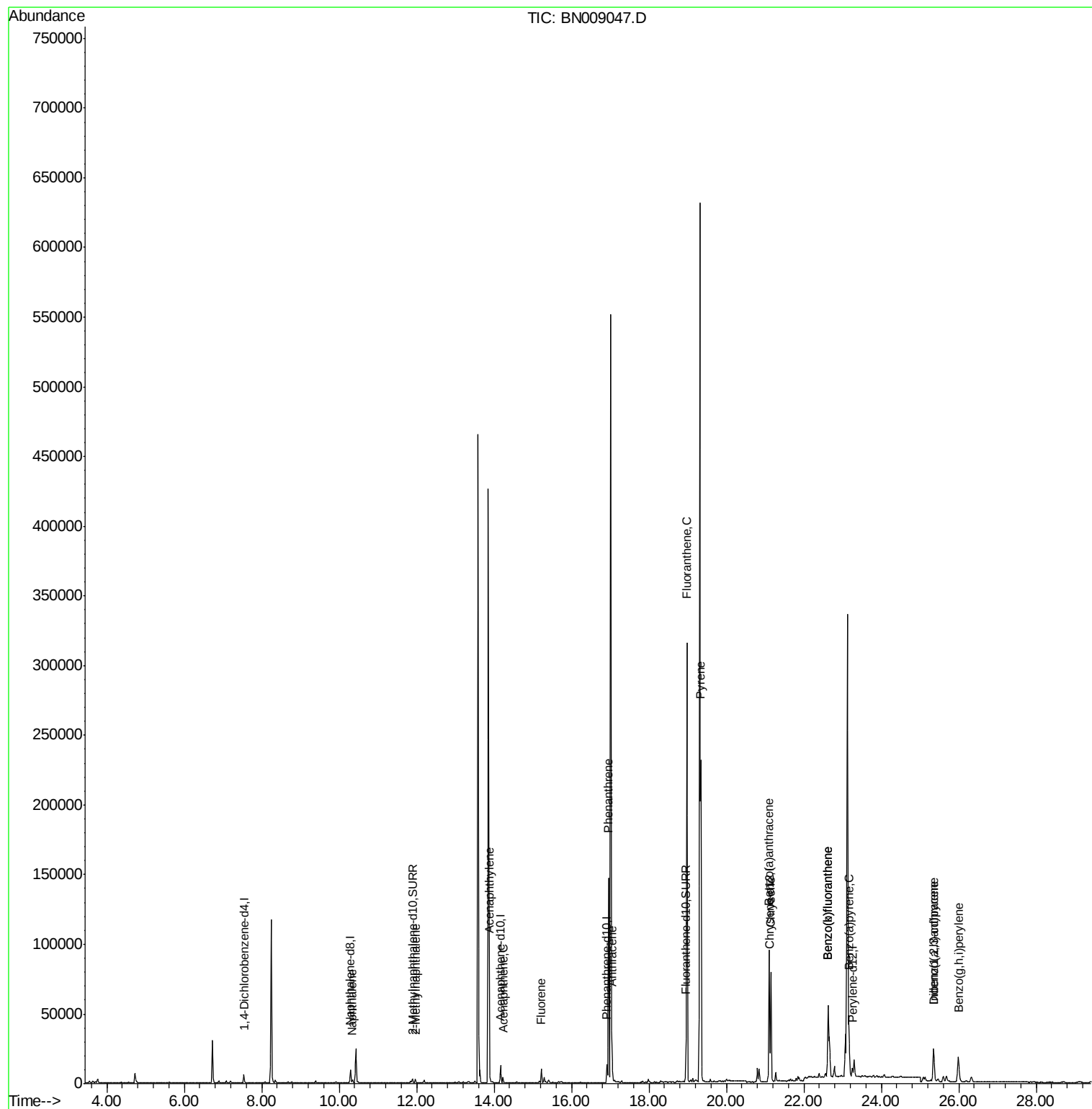
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	2837	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	11261	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	6654	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.91	188	13968	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	8958	0.40	ng/ul	0.00
20) Perylene-d12	23.25	264	7517	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	3483	0.17	ng/ul	0.00
14) Fluoranthene-d10	18.95	212	7801	0.19	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.34	128	2668	0.078	ng/ul#	94
5) 2-Methylnaphthalene	11.96	142	1988	0.077	ng/ul	100
7) Acenaphthylene	13.88	152	6024	0.172	ng/ul	96
8) Acenaphthene	14.23	153	2286	0.083	ng/ul	98
9) Fluorene	15.22	166	5705	0.176	ng/ul	99
12) Phenanthrene	16.95	178	144248	2.970	ng/ul	100
13) Anthracene	17.04	178	26301	0.604	ng/ul	100
15) Fluoranthene	18.98	202	259179	4.665	ng/ul	99
17) Pyrene	19.34	202	194853	4.264	ng/ul	98
18) Benzo(a)anthracene	21.10	228	78655	1.977	ng/ul	98
19) Chrysene	21.15	228	73633	1.842	ng/ul	98
21) Benzo(b)fluoranthene	22.62	252	109908	3.131	ng/ul	98
22) Benzo(k)fluoranthene	22.62	252	109908	3.105	ng/ul	98
23) Benzo(a)pyrene	23.16	252	51753	1.683	ng/ul	97
24) Indeno(1,2,3-cd)pyrene	25.35	276	34136	1.019	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.36	278	7759	0.291	ng/ul#	87
26) Benzo(a,h,i)perylene	25.99	276	34004	1.205	ng/ul	99

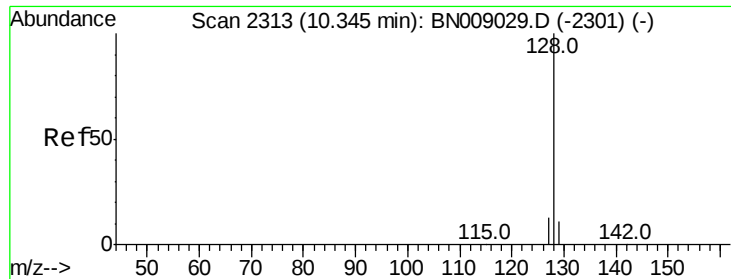
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 19 15:54:16 2019
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#3

Naphthalene

Concen: 0.078 ng/ul

RT: 10.34 min Scan# 2312

Delta R.T. -0.01 min

Lab File: BN009047.D

Acq: 20 Dec 2019 02:01

Instrument :

BNA_N

ClientSampleId :

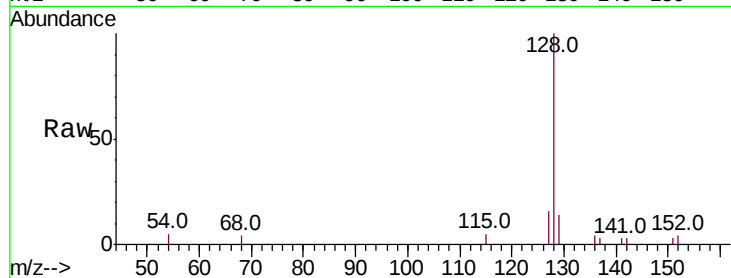
Tot Ion:128 Resp: 2668

Ion Ratio Lower Upper

128 100

129 14.4 9.0 13.4#

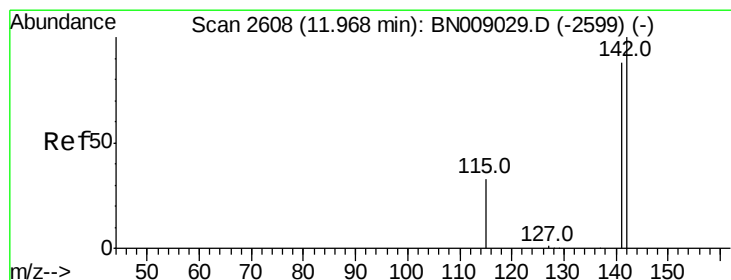
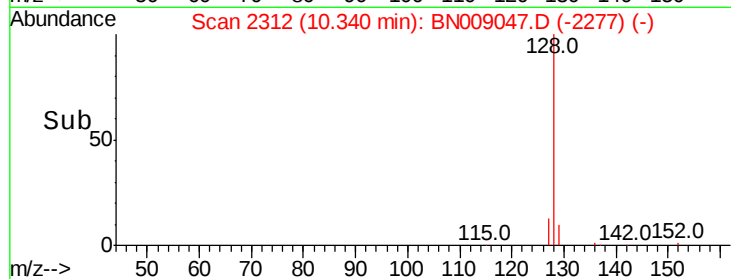
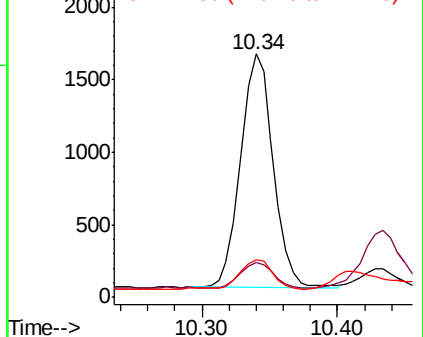
127 15.6 10.9 16.3



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: 0.077 ng/ul

RT: 11.96 min Scan# 2607

Delta R.T. -0.01 min

Lab File: BN009047.D

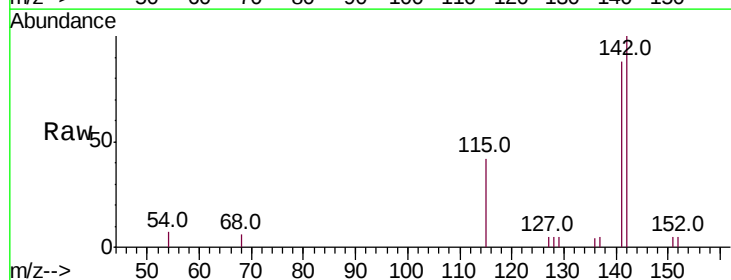
Acq: 20 Dec 2019 02:01

Tgt Ion:142 Resp: 1988

Ion Ratio Lower Upper

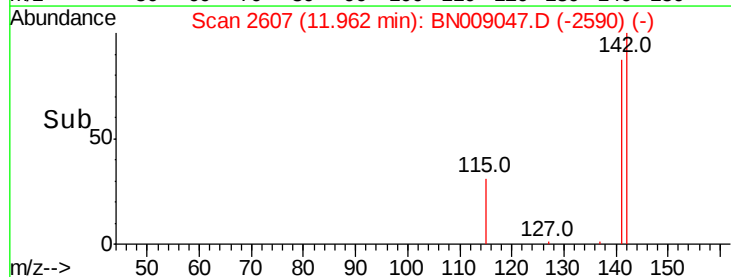
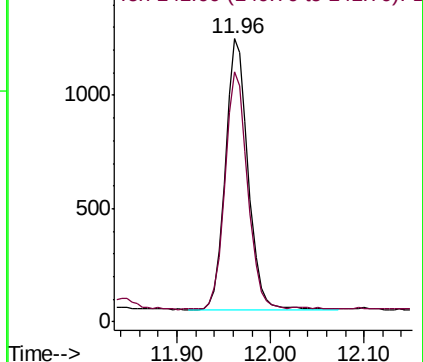
142 100

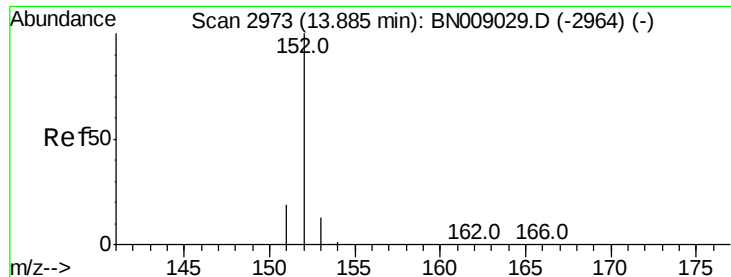
141 87.4 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.172 ng/ul

RT: 13.88 min Scan# 2972

Delta R.T. -0.00 min

Lab File: BN009047.D

Acq: 20 Dec 2019 02:01

Instrument :

BNA_N

ClientSampleId :

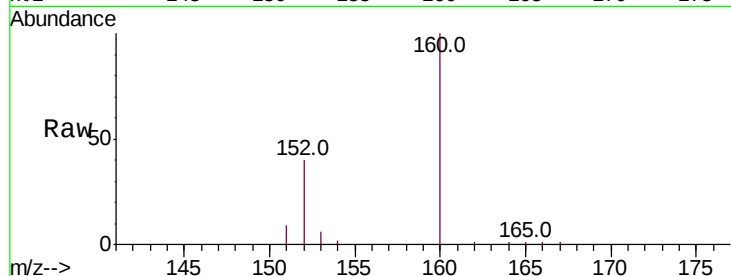
Tot Ion:152 Resp: 6024

Ion Ratio Lower Upper

152 100

151 21.2 15.7 23.5

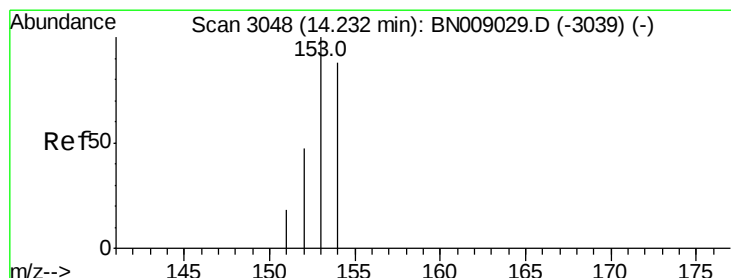
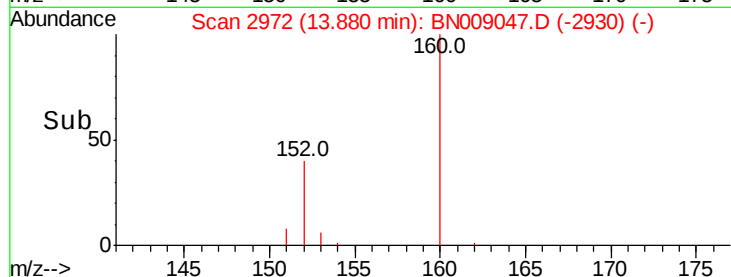
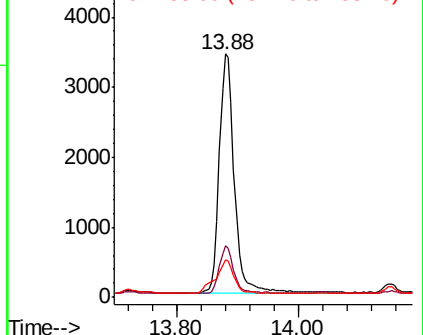
153 15.2 10.8 16.2



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: 0.083 ng/ul

RT: 14.23 min Scan# 3047

Delta R.T. -0.00 min

Lab File: BN009047.D

Acq: 20 Dec 2019 02:01

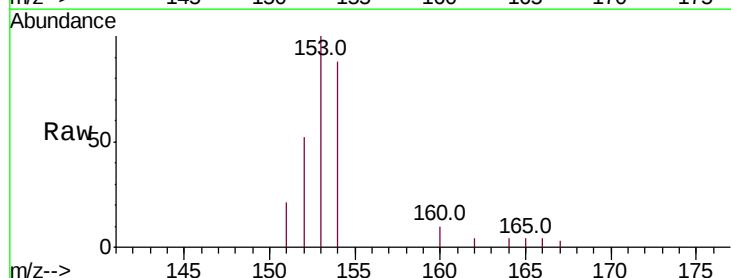
Tgt Ion:153 Resp: 2286

Ion Ratio Lower Upper

153 100

152 51.8 39.5 59.3

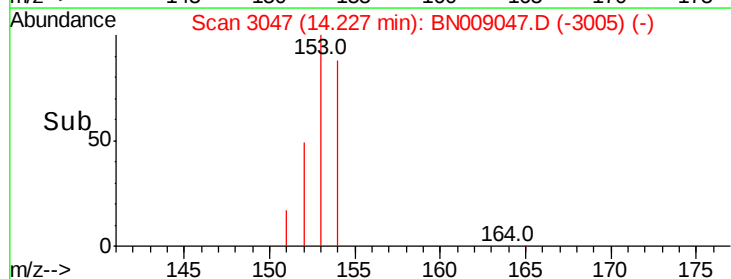
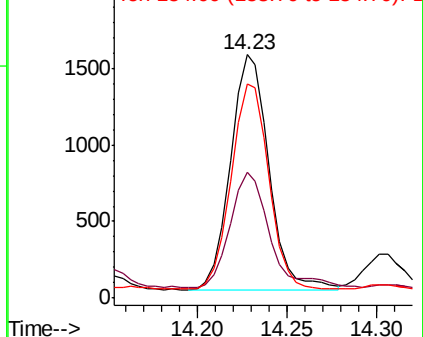
154 88.0 71.3 106.9

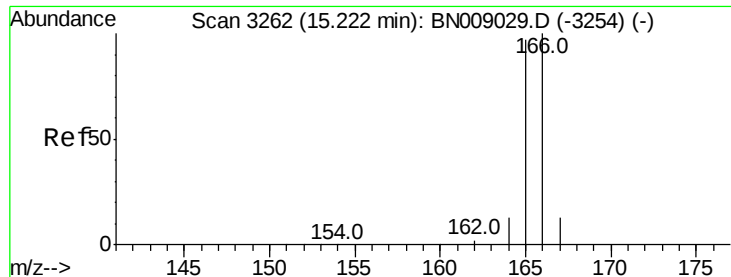


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

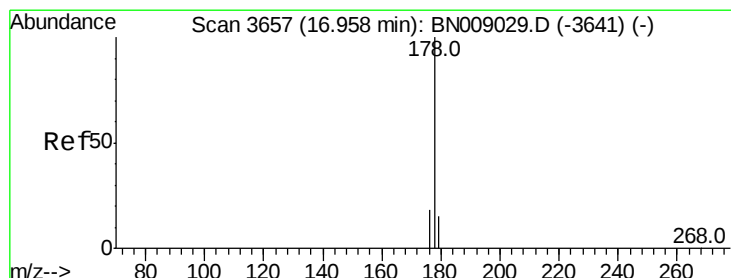
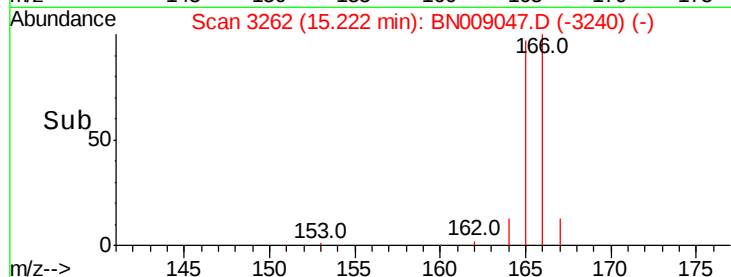
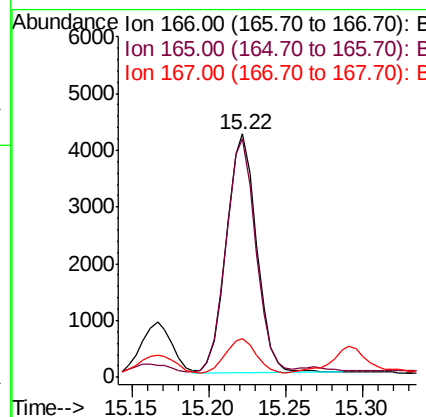
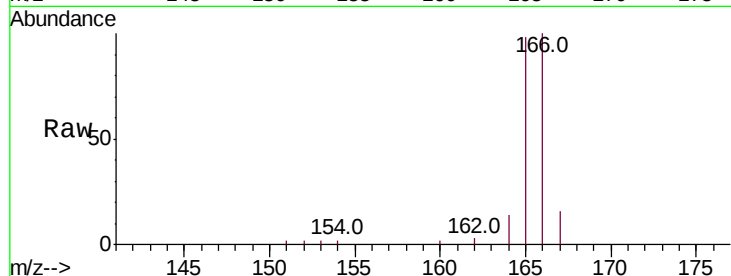




#9
Fluorene
 Concen: 0.176 ng/ul
 RT: 15.22 min Scan# 3262
 Delta R.T. 0.00 min
 Lab File: BN009047.D
 Acq: 20 Dec 2019 02:01

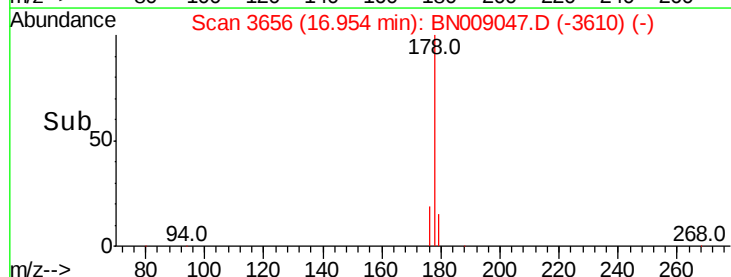
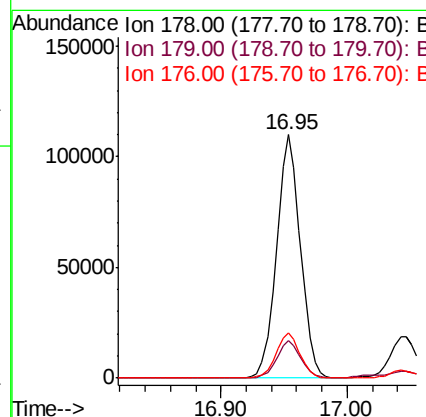
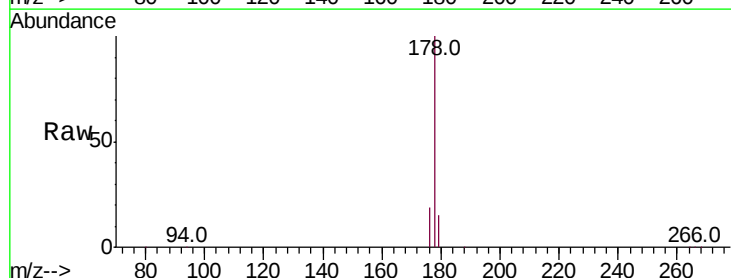
Instrument :
 BNA_N
 ClientSampleId :

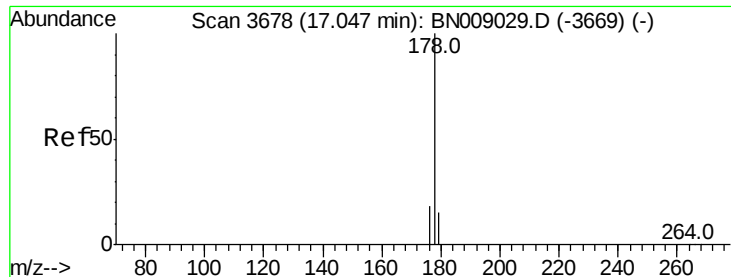
Tot Ion:166 Resp: 5705
 Ion Ratio Lower Upper
 166 100
 165 97.9 78.2 117.4
 167 15.8 11.0 16.6



#12
Phenanthrene
 Concen: 2.970 ng/ul
 RT: 16.95 min Scan# 3656
 Delta R.T. -0.00 min
 Lab File: BN009047.D
 Acq: 20 Dec 2019 02:01

Tgt Ion:178 Resp: 144248
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.3 18.5
 176 18.7 15.1 22.7





#13

Anthracene

Concen: 0.604 ng/ul

RT: 17.04 min Scan# 3677

Delta R.T. -0.00 min

Lab File: BN009047.D

Acq: 20 Dec 2019 02:01

Instrument :

BNA_N

ClientSampleId :

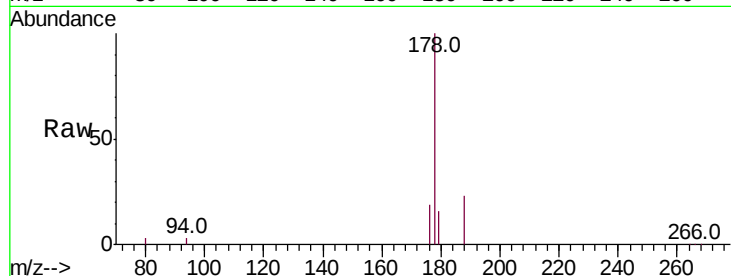
Tot Ion:178 Resp: 26301

Ion Ratio Lower Upper

178 100

179 15.7 12.5 18.7

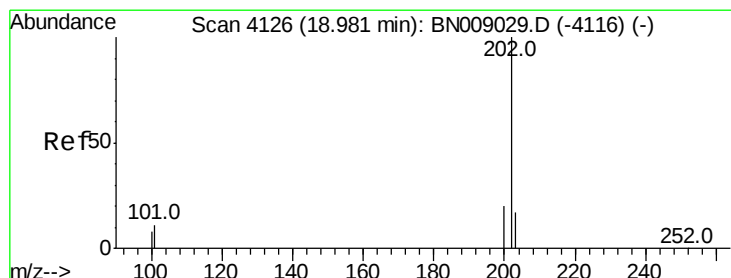
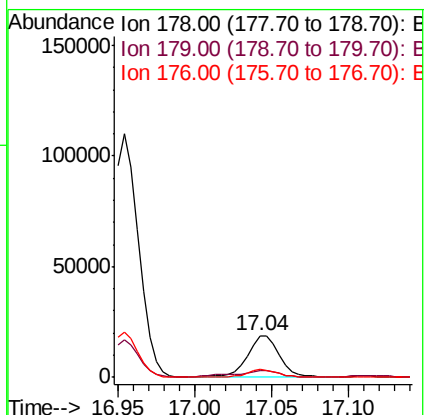
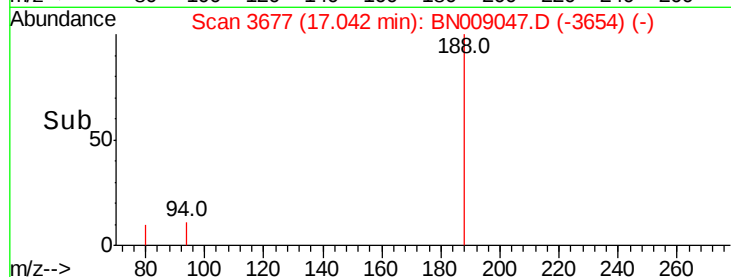
176 18.7 14.9 22.3



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: 4.665 ng/ul

RT: 18.98 min Scan# 4125

Delta R.T. -0.00 min

Lab File: BN009047.D

Acq: 20 Dec 2019 02:01

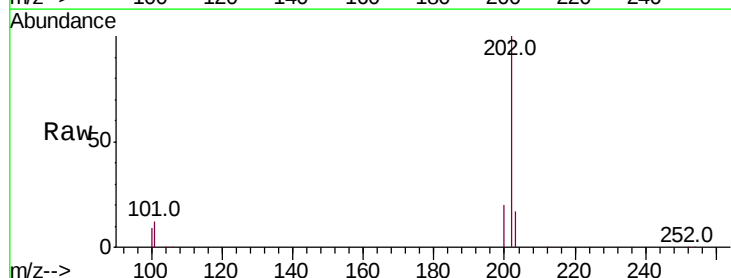
Tgt Ion:202 Resp: 259179

Ion Ratio Lower Upper

202 100

101 12.1 0.0 31.5

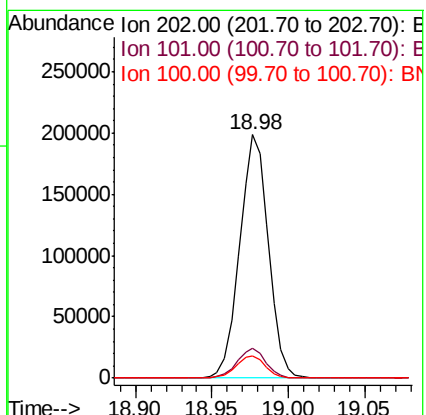
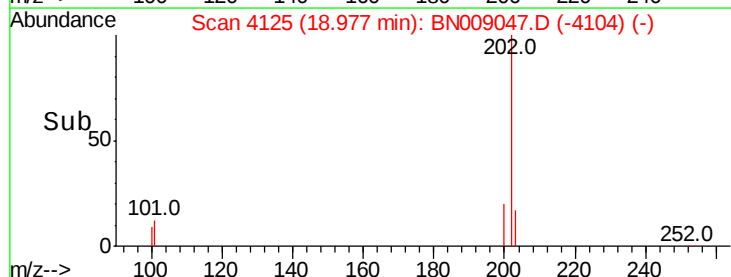
100 9.3 0.0 28.9

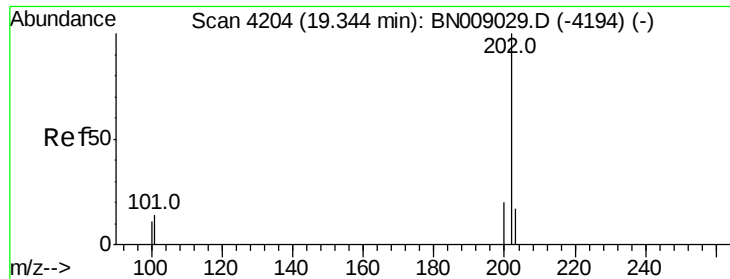


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

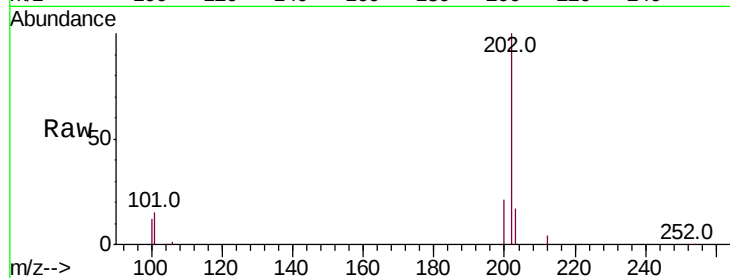




#17
Pvrene
Concen: 4.264 ng/ul
RT: 19.34 min Scan# 4203
Delta R.T. -0.00 min
Lab File: BN009047.D
Acq: 20 Dec 2019 02:01

Instrument :
BNA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.7	10.9	16.3
100	12.0	9.0	13.6

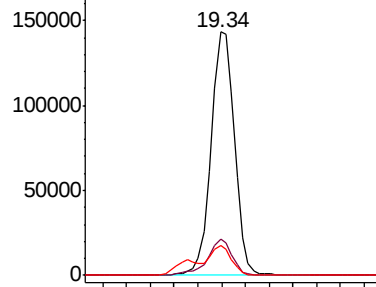


Abundance

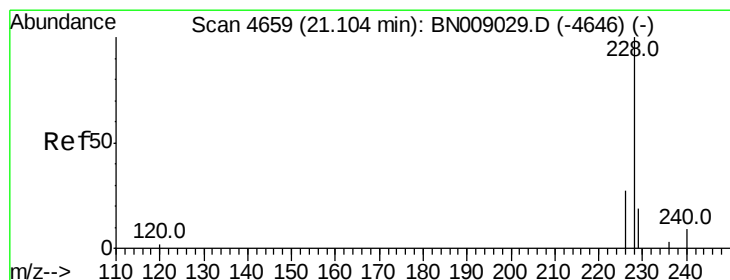
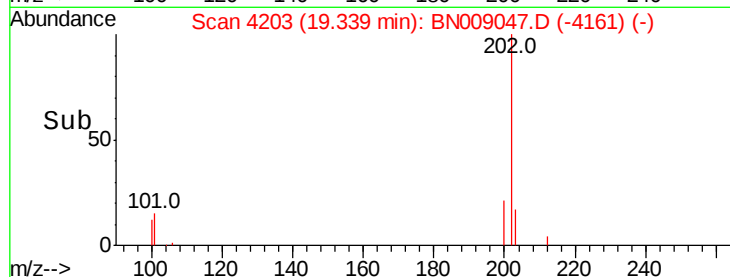
Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

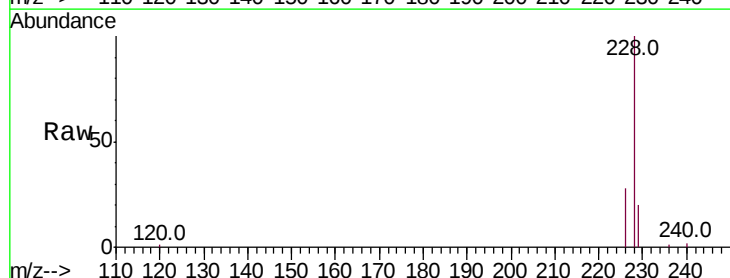


Time-->



#18
Benzo(a)anthracene
Concen: 1.977 ng/ul
RT: 21.10 min Scan# 4657
Delta R.T. -0.01 min
Lab File: BN009047.D
Acq: 20 Dec 2019 02:01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.5	23.3
226	28.0	21.7	32.5

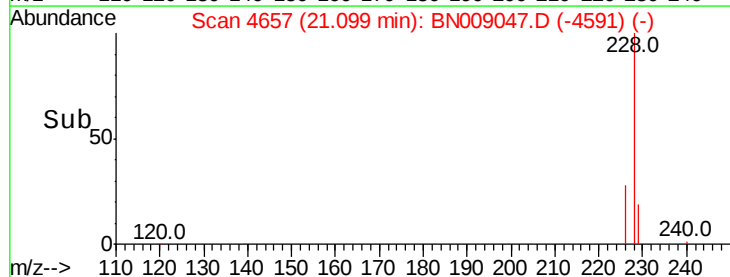
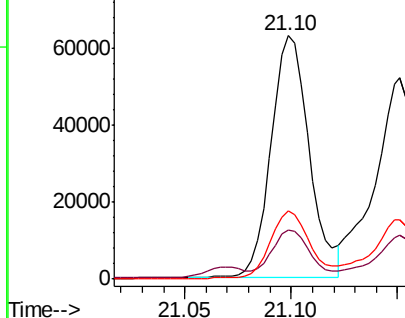


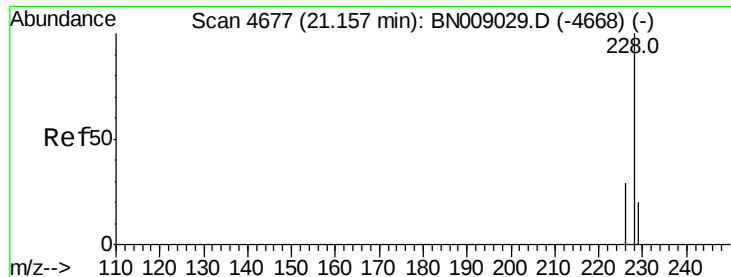
Abundance

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: 1.842 ng/ul

RT: 21.15 min Scan# 4675

Delta R.T. -0.01 min

Lab File: BN009047.D

Acq: 20 Dec 2019 02:01

Instrument :

BNA_N

ClientSampleId :

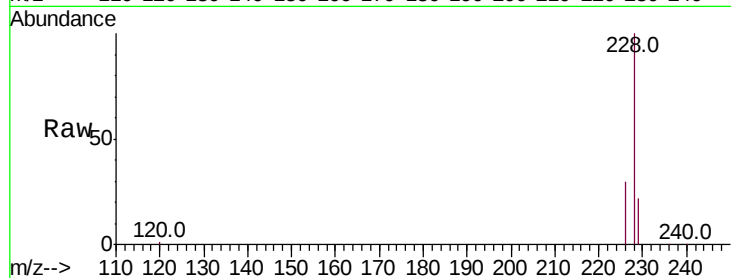
Tot Ion:228 Resp: 73633

Ion Ratio Lower Upper

228 100

226 29.7 23.7 35.5

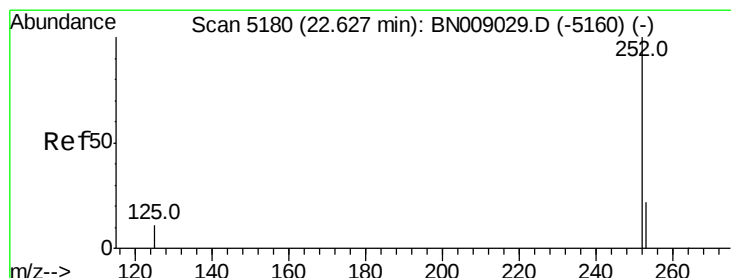
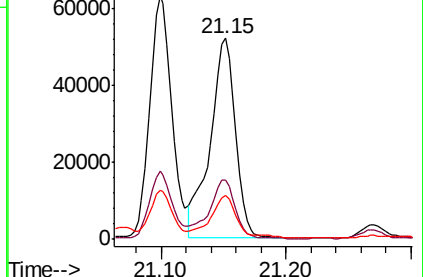
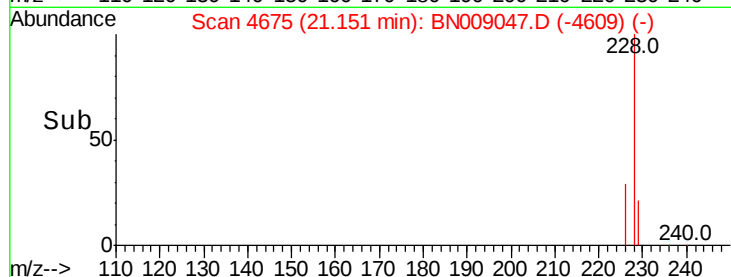
229 21.9 15.4 23.0



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: 3.131 ng/ul

RT: 22.62 min Scan# 5179

Delta R.T. -0.00 min

Lab File: BN009047.D

Acq: 20 Dec 2019 02:01

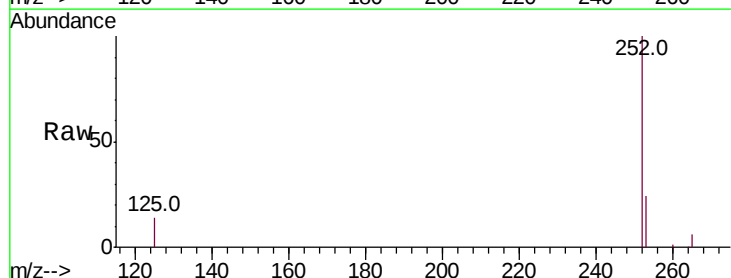
Tgt Ion:252 Resp: 109908

Ion Ratio Lower Upper

252 100

253 23.7 0.0 48.2

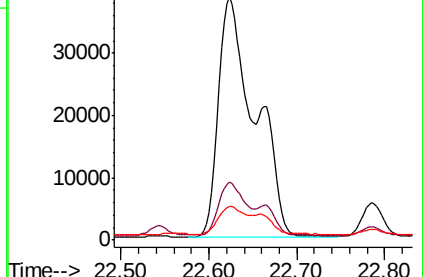
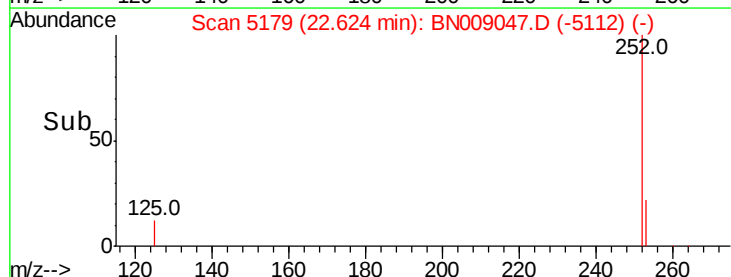
125 13.8 0.0 30.0

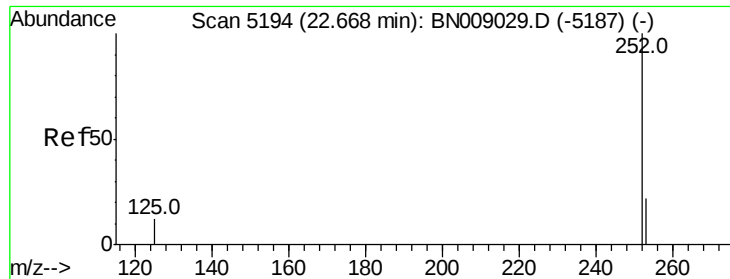


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 3.105 ng/ul

RT: 22.62 min Scan# 5179

Delta R.T. -0.04 min

Lab File: BN009047.D

Acq: 20 Dec 2019 02:01

Instrument :

BNA_N

ClientSampleId :

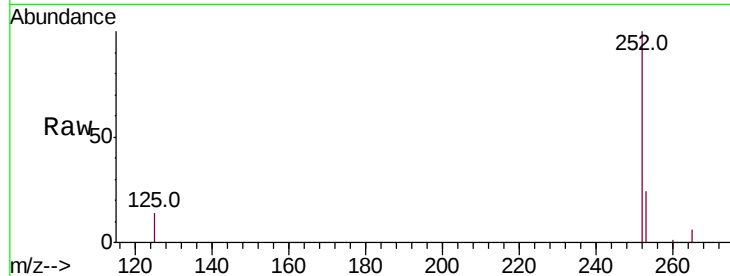
Tot Ion:252 Resp: 109908

Ion Ratio Lower Upper

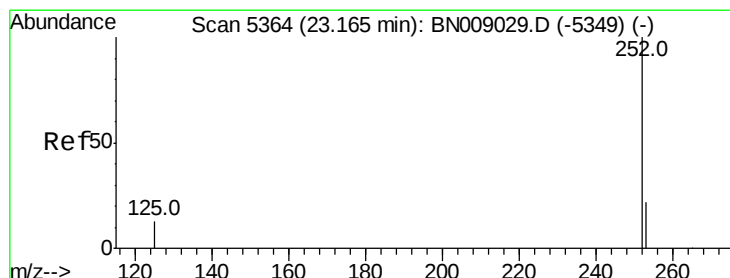
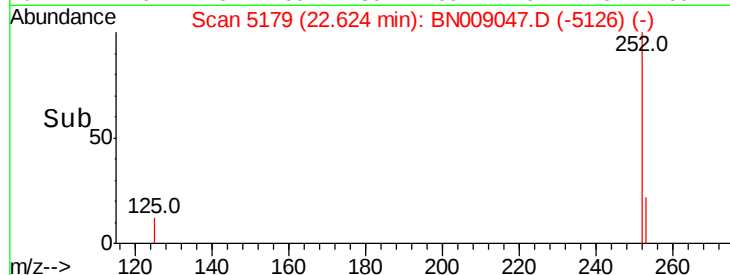
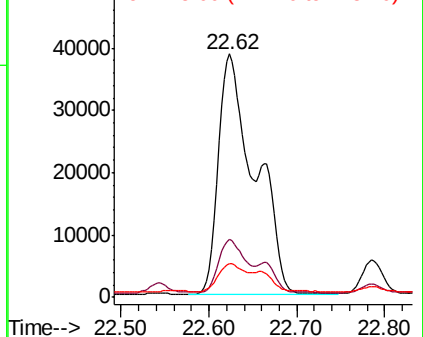
252 100

253 23.7 19.4 29.0

125 13.8 12.4 18.6



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: 1.683 ng/ul

RT: 23.16 min Scan# 5363

Delta R.T. -0.00 min

Lab File: BN009047.D

Acq: 20 Dec 2019 02:01

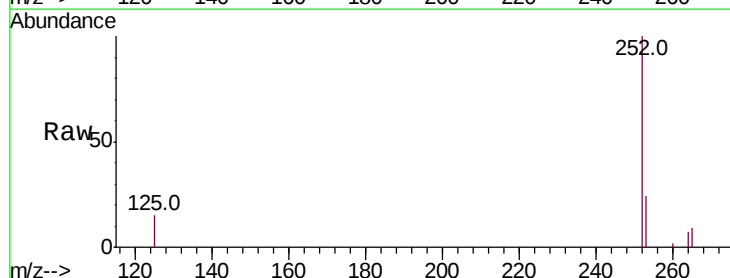
Tgt Ion:252 Resp: 51753

Ion Ratio Lower Upper

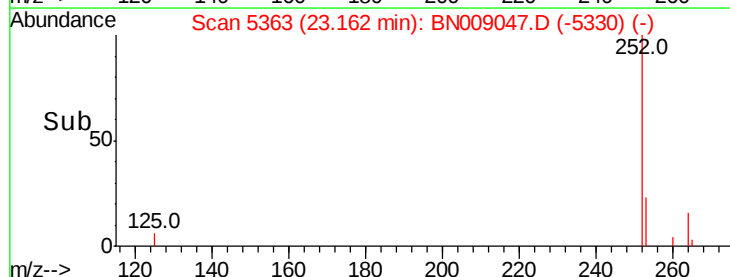
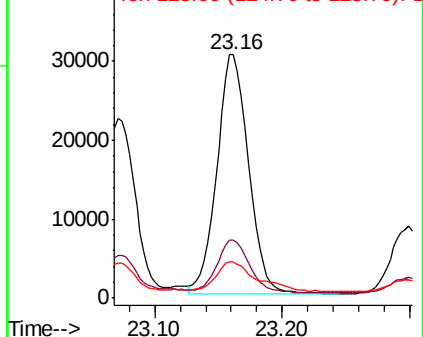
252 100

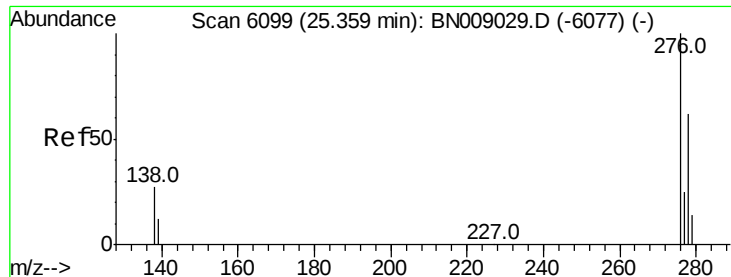
253 23.9 20.2 30.4

125 15.0 13.2 19.8



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



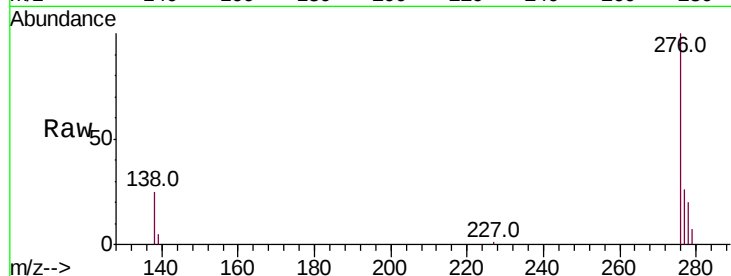


#24

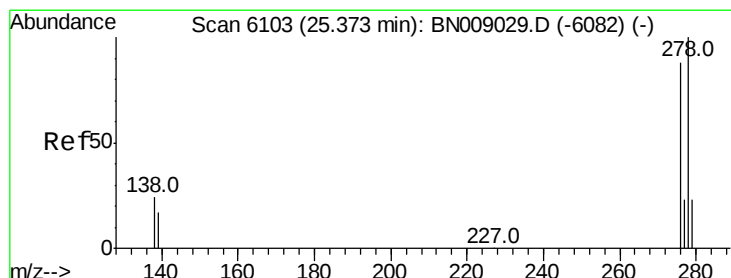
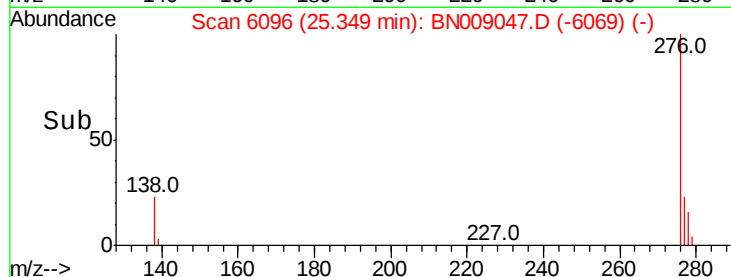
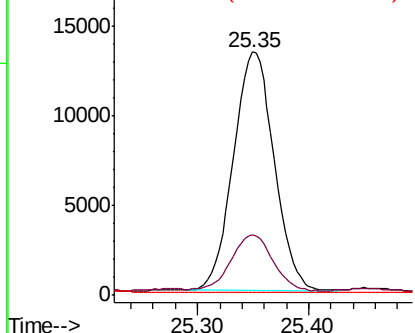
Indeno(1,2,3-cd)pyrene
Concen: 1.019 ng/ul
RT: 25.35 min Scan# 6096
Delta R.T. -0.01 min
Lab File: BN009047.D
Acq: 20 Dec 2019 02:01

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 34136
Ion Ratio Lower Upper
276 100
138 23.6 22.4 33.6
227 0.2 0.2 0.4#



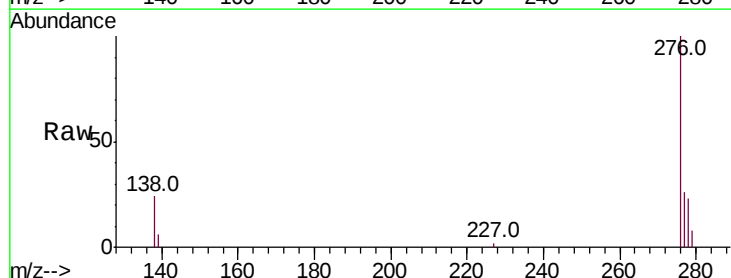
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



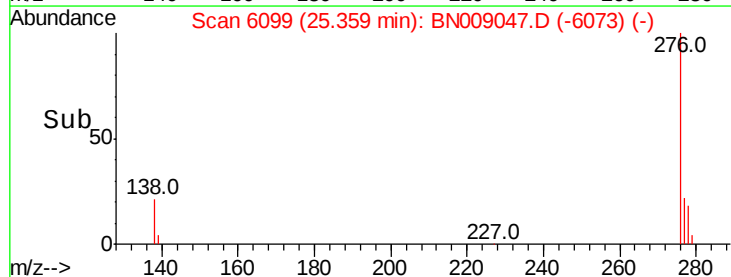
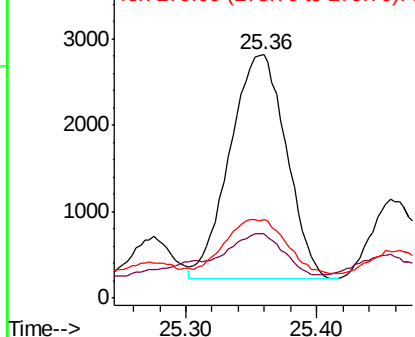
#25

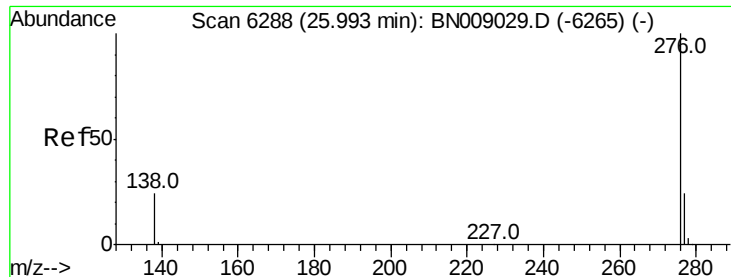
Dibenzo(a,h)anthracene
Concen: 0.291 ng/ul
RT: 25.36 min Scan# 6099
Delta R.T. -0.01 min
Lab File: BN009047.D
Acq: 20 Dec 2019 02:01

Tgt Ion:278 Resp: 7759
Ion Ratio Lower Upper
278 100
139 26.4 16.2 24.2#
279 32.2 20.3 30.5#



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: 1.205 ng/ul

RT: 25.99 min Scan# 6287

Delta R.T. -0.00 min

Lab File: BN009047.D

Acq: 20 Dec 2019 02:01

Instrument :

BNA_N

ClientSampleId :

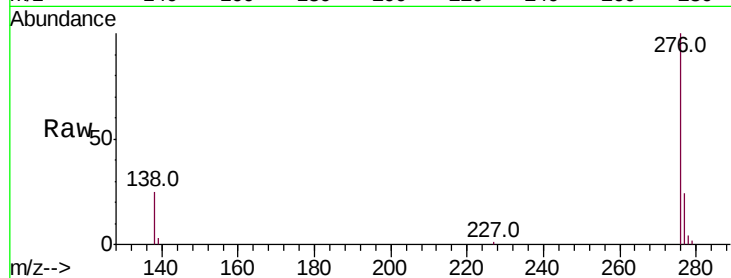
Tot Ion:276 Resp: 34004

Ion Ratio Lower Upper

276 100

138 25.4 20.6 30.8

277 24.1 19.6 29.4



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

