

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121919\
 Data File : BN009057.D
 Acq On : 20 Dec 2019 07:57
 Operator : JU
 Sample : K6171-13
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 20 10:52:38 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

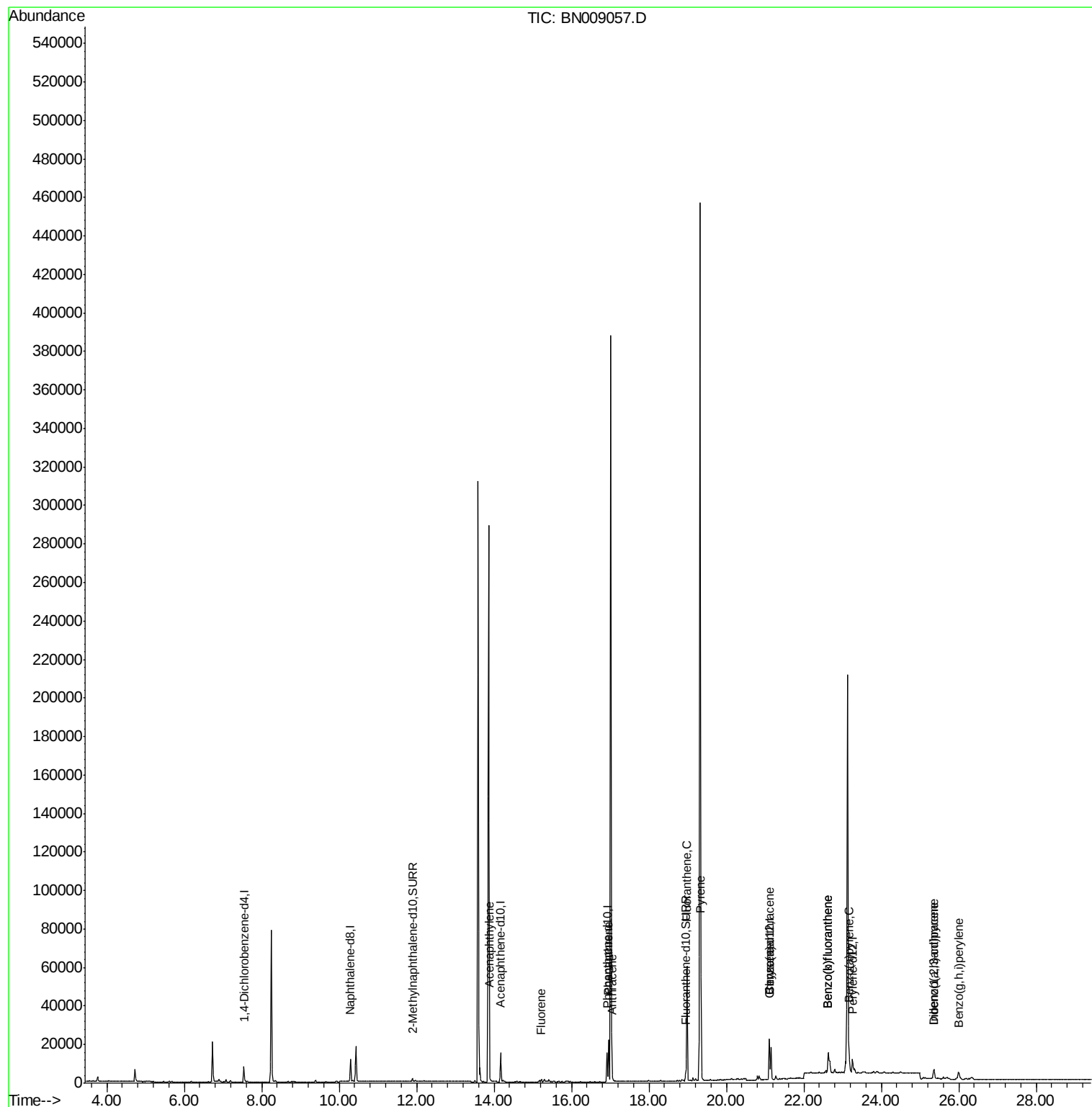
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.54	152	3777	0.40	ng/ul	0.00
2) Naphthalene-d8	10.29	136	14913	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.17	164	8120	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.92	188	16869	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	9513	0.40	ng/ul	0.00
20) Perylene-d12	23.26	264	8474	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.89	152	2424	0.09	ng/ul	0.00
14) Fluoranthene-d10	18.95	212	5475	0.11	ng/ul	0.00
Target Compounds				Ovalue		
7) Acenaphthylene	13.89	152	1482	0.035	ng/ul#	87
9) Fluorene	15.22	166	803	0.020	ng/ul#	91
12) Phenanthrene	16.95	178	22116	0.377	ng/ul	99
13) Anthracene	17.05	178	4128	0.078	ng/ul	96
15) Fluoranthene	18.98	202	50123	0.747	ng/ul	99
17) Pyrene	19.34	202	41565	0.856	ng/ul	99
18) Benzo(a)anthracene	21.10	228	16248	0.385	ng/ul	95
19) Chrysene	21.10	228	16248	0.383	ng/ul	97
21) Benzo(b)fluoranthene	22.63	252	22209	0.561	ng/ul	85
22) Benzo(k)fluoranthene	22.63	252	22209	0.557	ng/ul#	86
23) Benzo(a)pyrene	23.16	252	11498	0.332	ng/ul#	86
24) Indeno(1,2,3-cd)pyrene	25.36	276	7546	0.200	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.37	278	1742	0.058	ng/ul#	18
26) Benzo(g,h,i)perylene	26.00	276	7042	0.221	ng/ul#	86

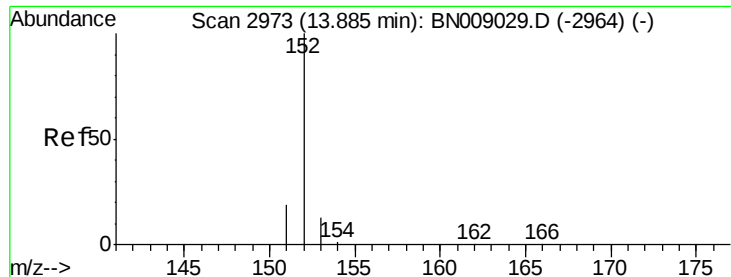
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 19 15:54:16 2019
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#7

Acenaphthylene

Concen: 0.035 ng/ul

RT: 13.89 min Scan# 2973

Delta R.T. 0.00 min

Lab File: BN009057.D

Acq: 20 Dec 2019 07:57

Instrument :

BNA_N

ClientSampleId :

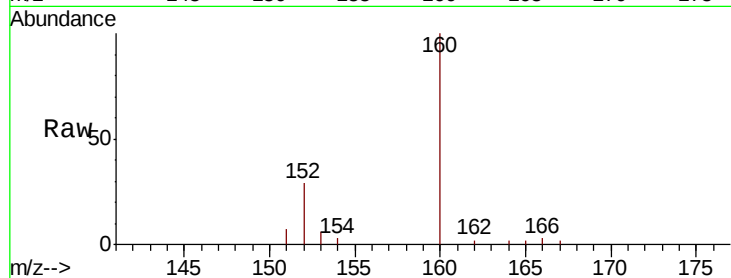
Tot Ion:152 Resp: 1482

Ion Ratio Lower Upper

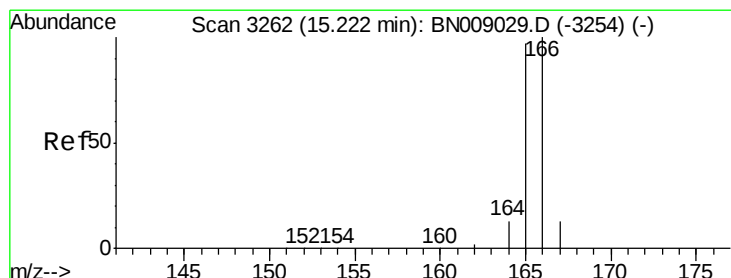
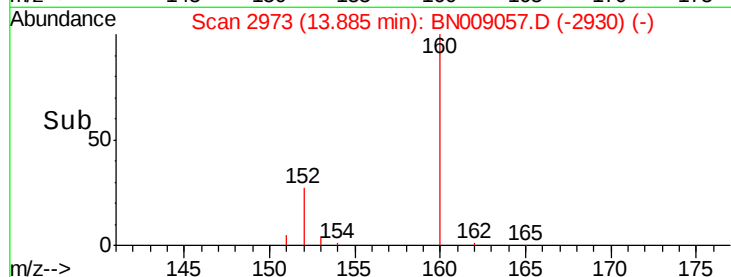
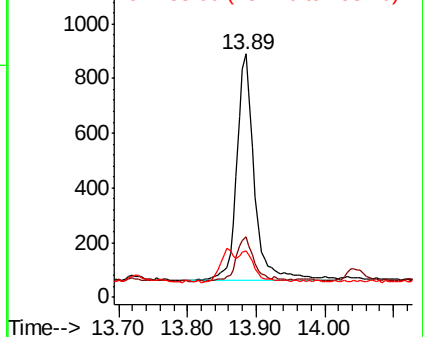
152 100

151 24.7 15.7 23.5#

153 19.3 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



#9

Fluorene

Concen: 0.020 ng/ul

RT: 15.22 min Scan# 3262

Delta R.T. 0.00 min

Lab File: BN009057.D

Acq: 20 Dec 2019 07:57

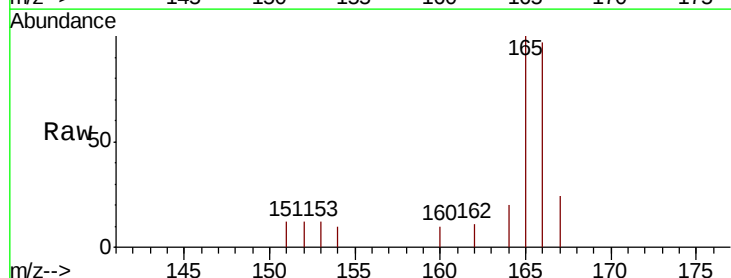
Tgt Ion:166 Resp: 803

Ion Ratio Lower Upper

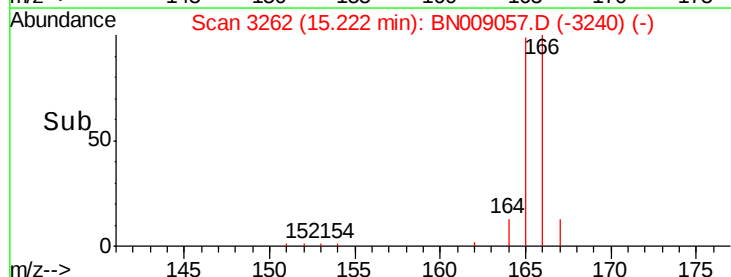
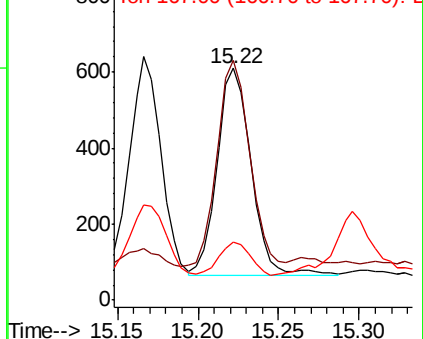
166 100

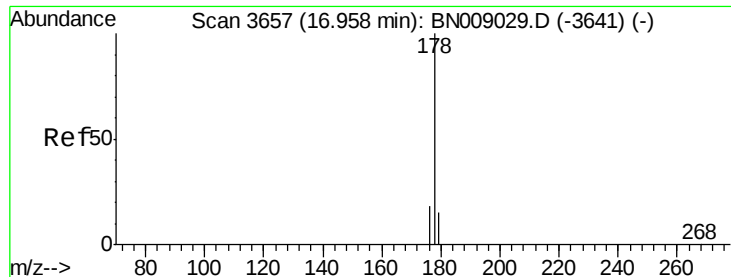
165 103.6 78.2 117.4

167 24.9 11.0 16.6#



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





#12

Phenanthrene

Concen: 0.377 ng/ul

RT: 16.95 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BN009057.D

Acq: 20 Dec 2019 07:57

Instrument :

BNA_N

ClientSampleId :

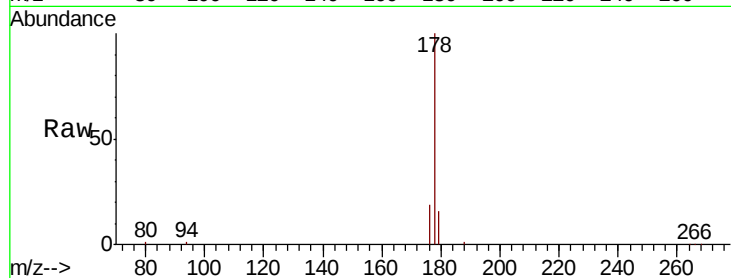
Tot Ion:178 Resp: 22116

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

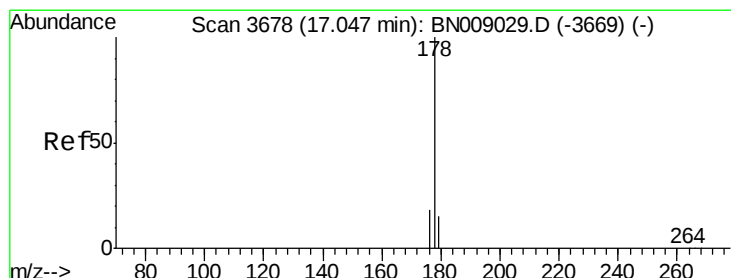
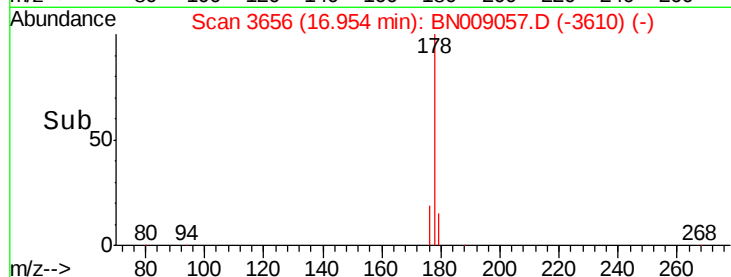
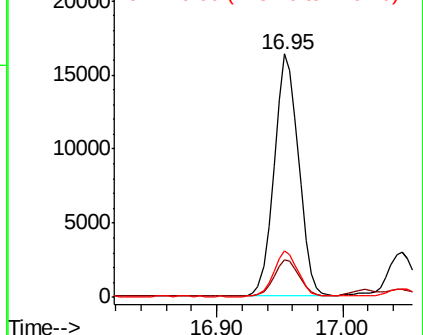
176 19.2 15.1 22.7



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: 0.078 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BN009057.D

Acq: 20 Dec 2019 07:57

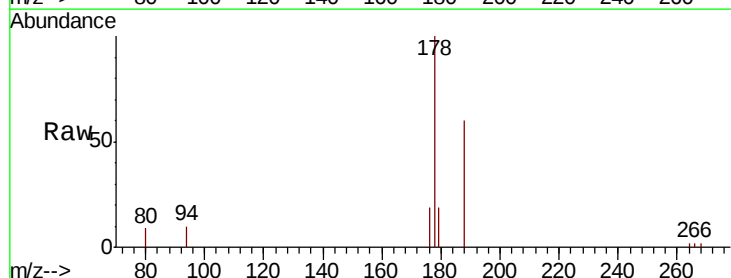
Tgt Ion:178 Resp: 4128

Ion Ratio Lower Upper

178 100

179 18.6 12.5 18.7

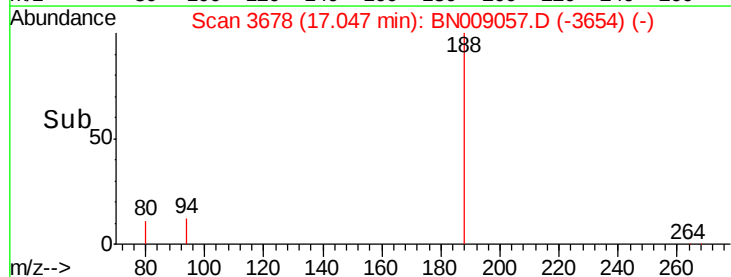
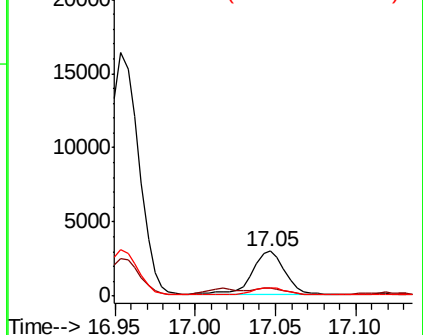
176 19.3 14.9 22.3

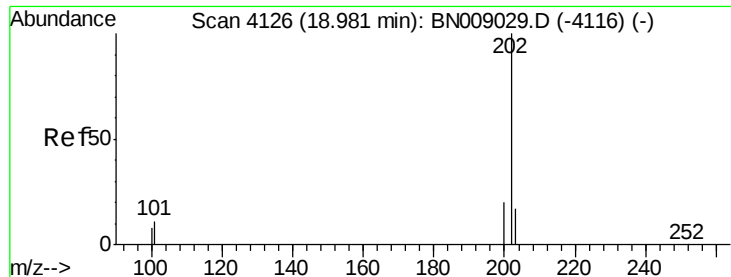


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

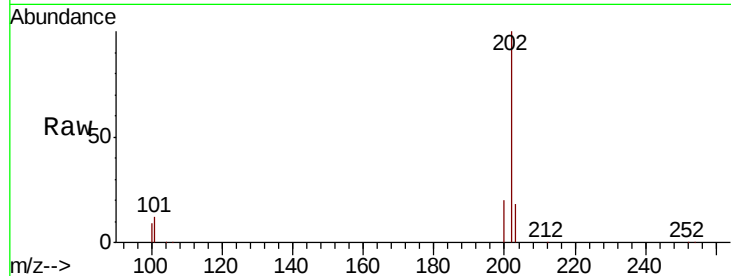




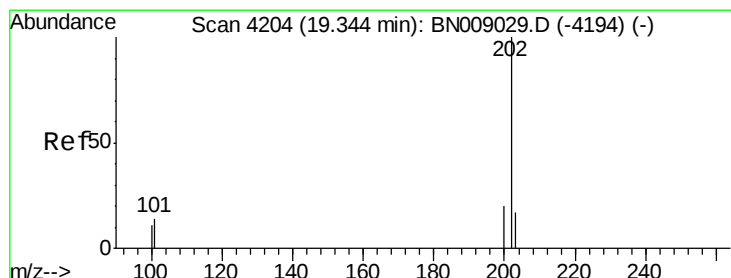
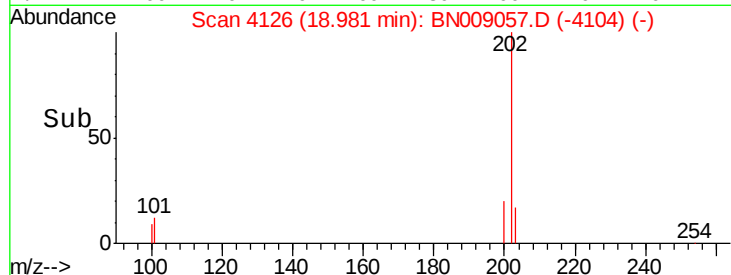
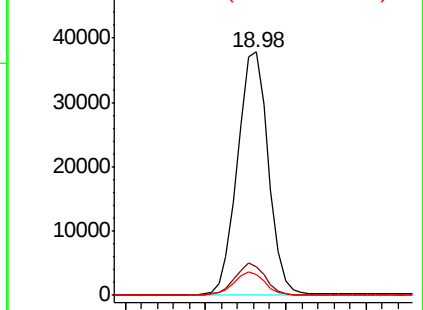
#15
Fluoranthene
 Concen: 0.747 ng/ul
 RT: 18.98 min Scan# 4126
 Delta R.T. 0.00 min
 Lab File: BN009057.D
 Acq: 20 Dec 2019 07:57

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 50123
 Ion Ratio Lower Upper
 202 100
 101 12.0 0.0 31.5
 100 8.8 0.0 28.9

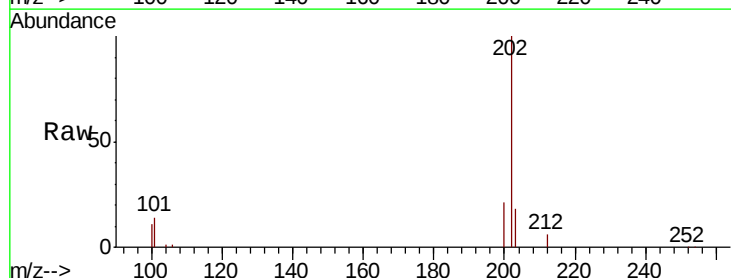


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

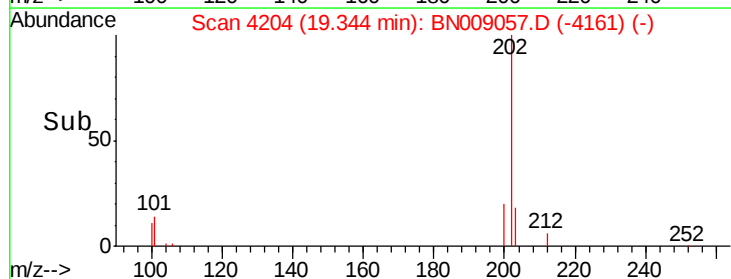
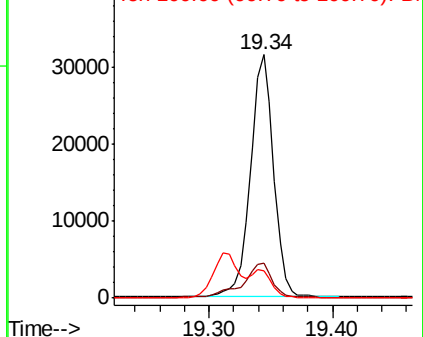


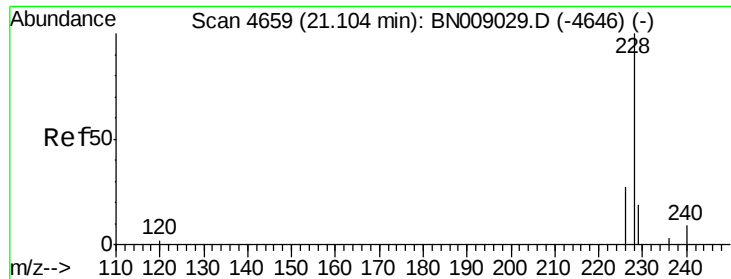
#17
Pyrene
 Concen: 0.856 ng/ul
 RT: 19.34 min Scan# 4204
 Delta R.T. 0.00 min
 Lab File: BN009057.D
 Acq: 20 Dec 2019 07:57

Tgt Ion:202 Resp: 41565
 Ion Ratio Lower Upper
 202 100
 101 14.2 10.9 16.3
 100 11.3 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





#18

Benzo(a)anthracene

Concen: 0.385 ng/ul

RT: 21.10 min Scan# 4658

Delta R.T. -0.00 min

Lab File: BN009057.D

Acq: 20 Dec 2019 07:57

Instrument :

BNA_N

ClientSampleId :

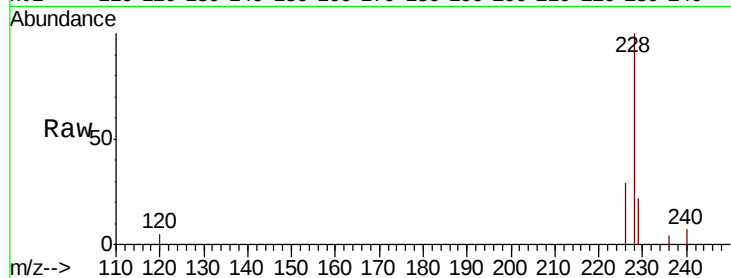
Tot Ion:228 Resp: 16248

Ion Ratio Lower Upper

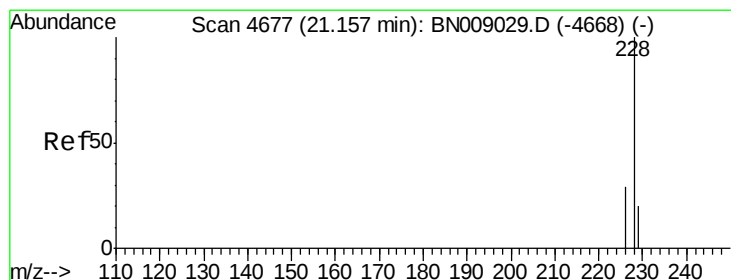
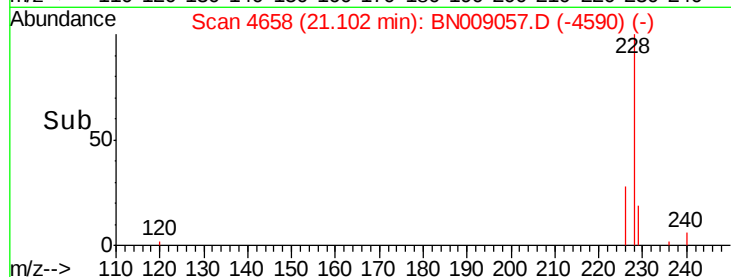
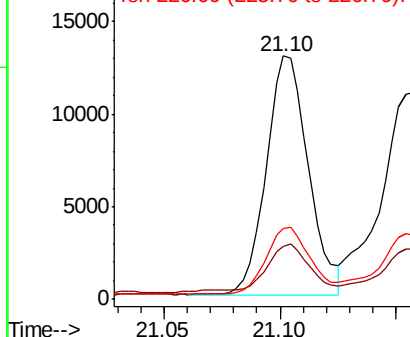
228 100

229 21.9 15.5 23.3

226 29.2 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: 0.383 ng/ul

RT: 21.10 min Scan# 4658

Delta R.T. -0.06 min

Lab File: BN009057.D

Acq: 20 Dec 2019 07:57

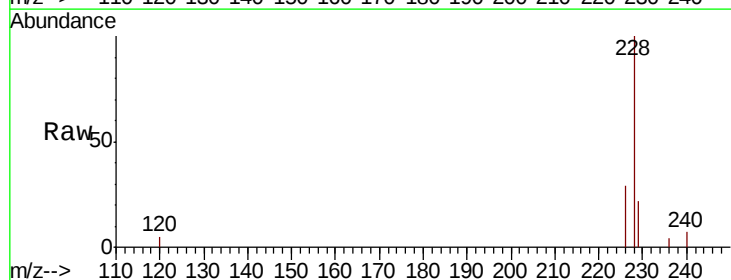
Tgt Ion:228 Resp: 16248

Ion Ratio Lower Upper

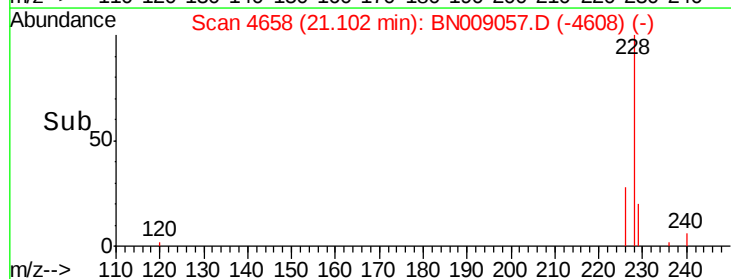
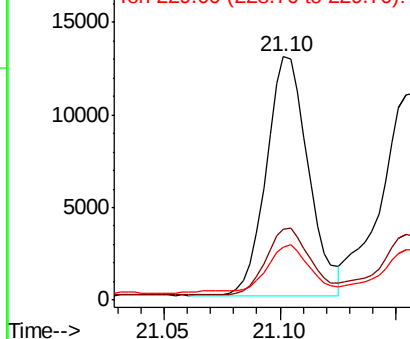
228 100

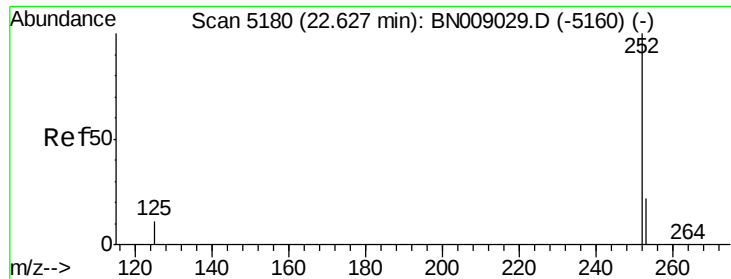
226 29.2 23.7 35.5

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: 0.561 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. 0.00 min

Lab File: BN009057.D

Acq: 20 Dec 2019 07:57

Instrument :

BNA_N

ClientSampleId :

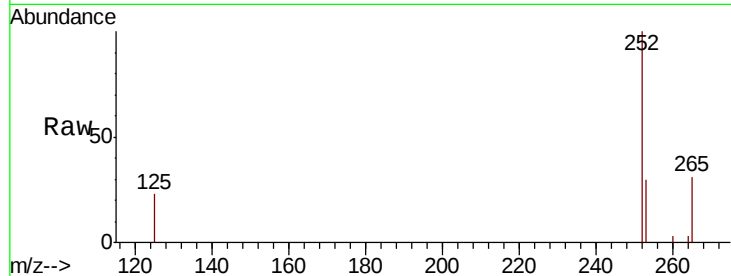
Tot Ion:252 Resp: 22209

Ion Ratio Lower Upper

252 100

253 30.0 0.0 48.2

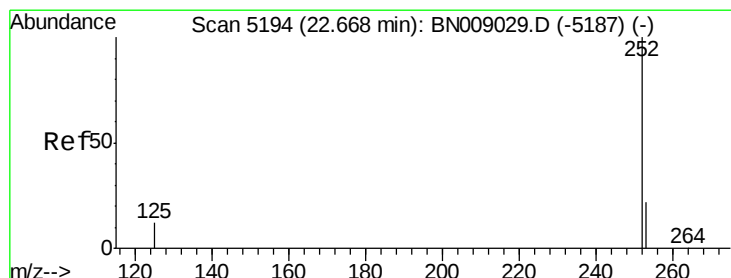
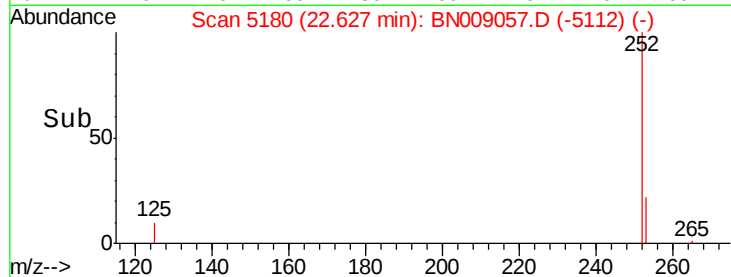
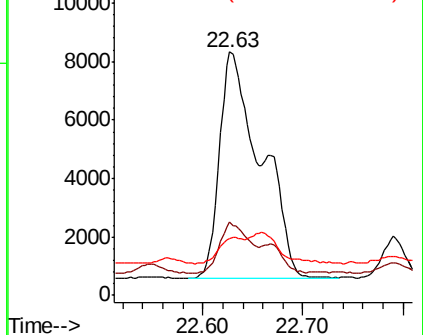
125 23.3 0.0 30.0



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: 0.557 ng/ul

RT: 22.63 min Scan# 5180

Delta R.T. -0.04 min

Lab File: BN009057.D

Acq: 20 Dec 2019 07:57

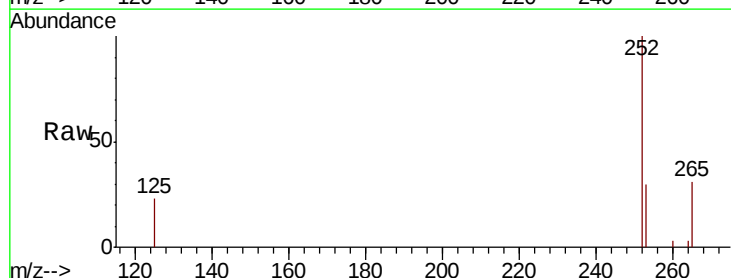
Tgt Ion:252 Resp: 22209

Ion Ratio Lower Upper

252 100

253 30.0 19.4 29.0#

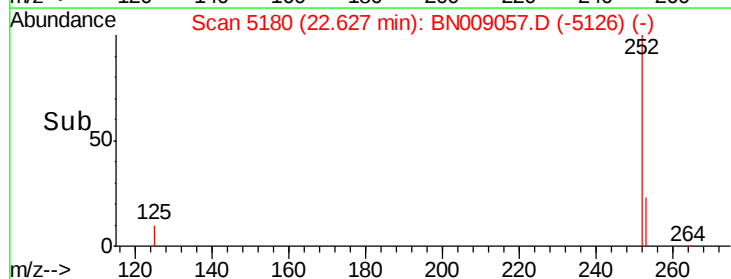
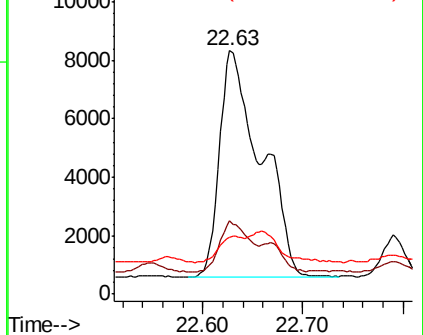
125 23.3 12.4 18.6#

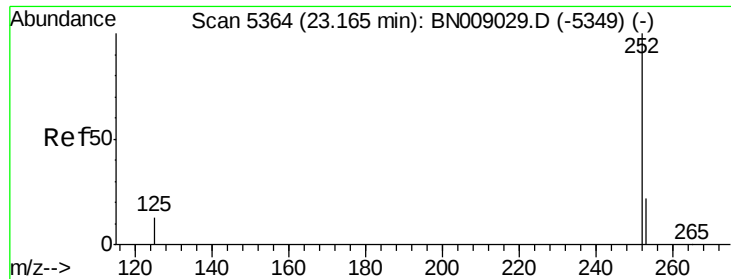


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.332 ng/ul

RT: 23.16 min Scan# 5364

Delta R.T. 0.00 min

Lab File: BN009057.D

Acq: 20 Dec 2019 07:57

Instrument :

BNA_N

ClientSampleId :

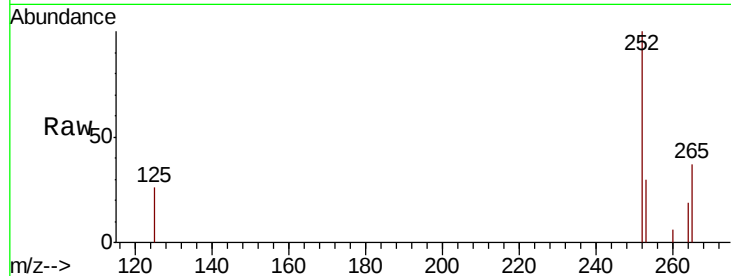
Tot Ion:252 Resp: 11498

Ion Ratio Lower Upper

252 100

253 30.1 20.2 30.4

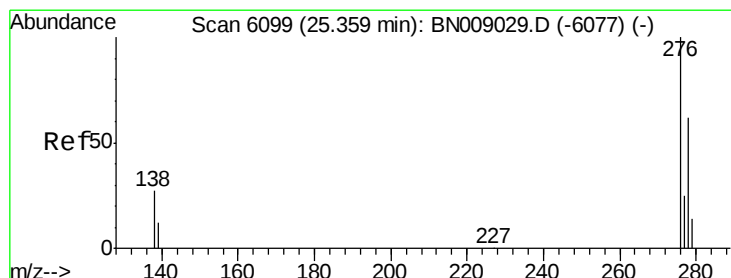
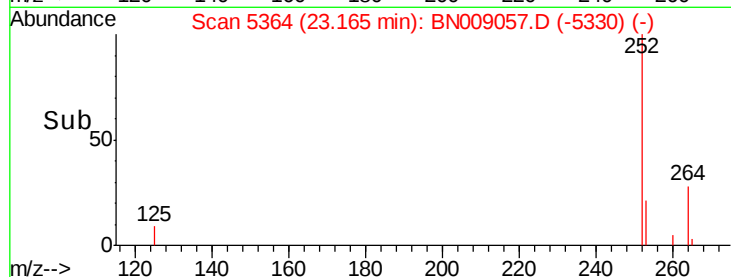
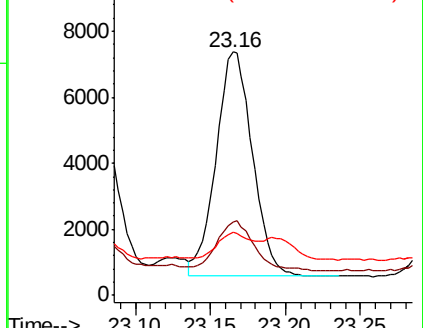
125 25.7 13.2 19.8#



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: 0.200 ng/ul

RT: 25.36 min Scan# 6098

Delta R.T. -0.00 min

Lab File: BN009057.D

Acq: 20 Dec 2019 07:57

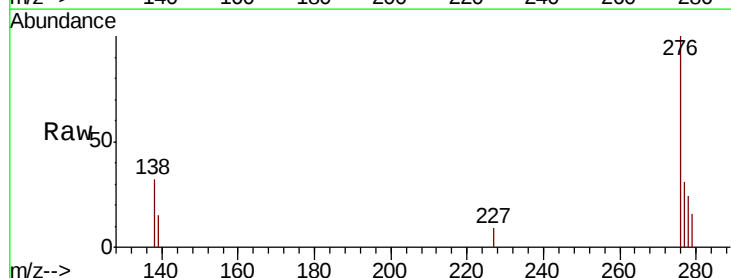
Tgt Ion:276 Resp: 7546

Ion Ratio Lower Upper

276 100

138 22.8 22.4 33.6

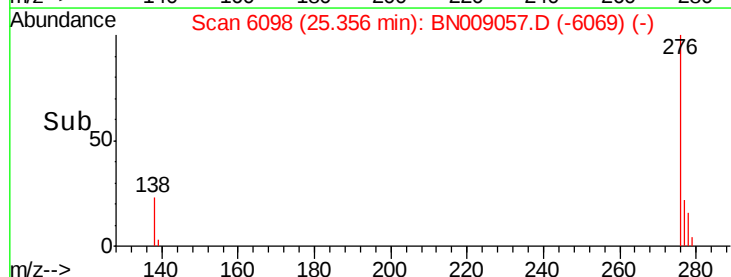
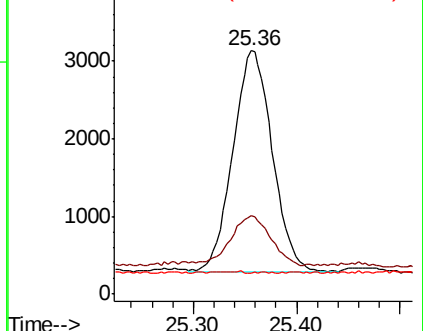
227 0.2 0.2 0.4#

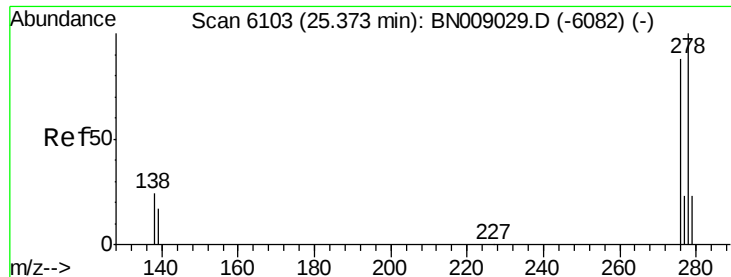


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

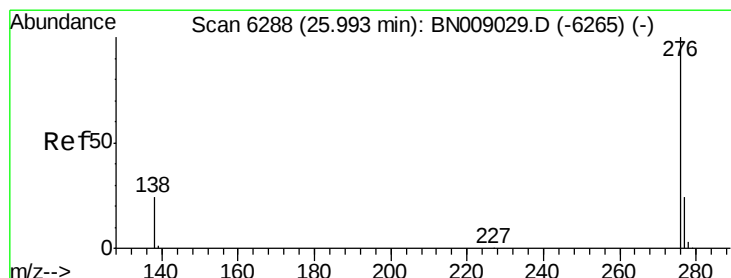
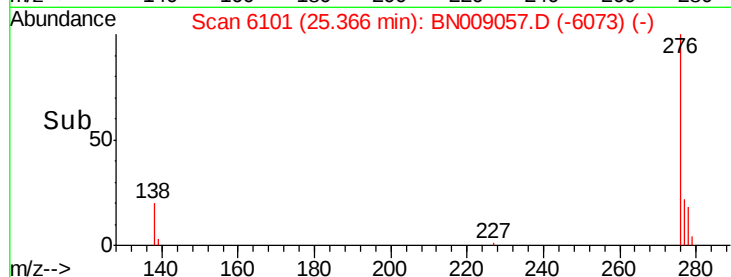
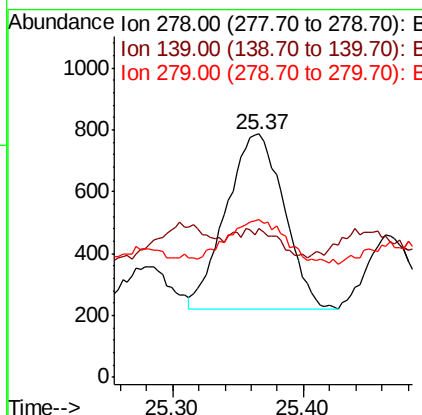
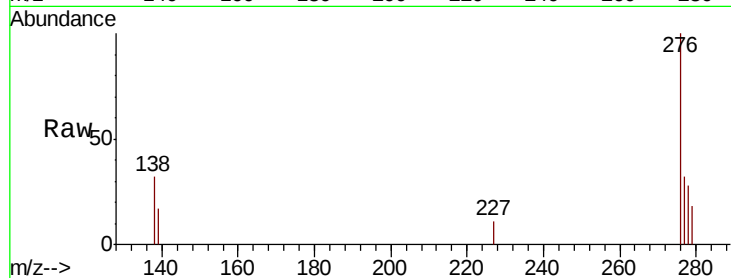




#25
Dibenzo(a,h)anthracene
Concen: 0.058 ng/ul
RT: 25.37 min Scan# 6101
Delta R.T. -0.01 min
Lab File: BN009057.D
Acq: 20 Dec 2019 07:57

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 1742
Ion Ratio Lower Upper
278 100
139 61.0 16.2 24.2#
279 64.7 20.3 30.5#



#26
Benzo(g,h,i)perylene
Concen: 0.221 ng/ul
RT: 26.00 min Scan# 6289
Delta R.T. 0.00 min
Lab File: BN009057.D
Acq: 20 Dec 2019 07:57

Tgt Ion:276 Resp: 7042
Ion Ratio Lower Upper
276 100
138 33.5 20.6 30.8#
277 31.2 19.6 29.4#

