

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN121119\
 Data File : BN008924.D
 Acq On : 11 Dec 2019 19:22
 Operator : JU
 Sample : K6088-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 12 00:22:30 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 : Wed Dec 11 10:35:08 2019
 Response via : Initial Calibration

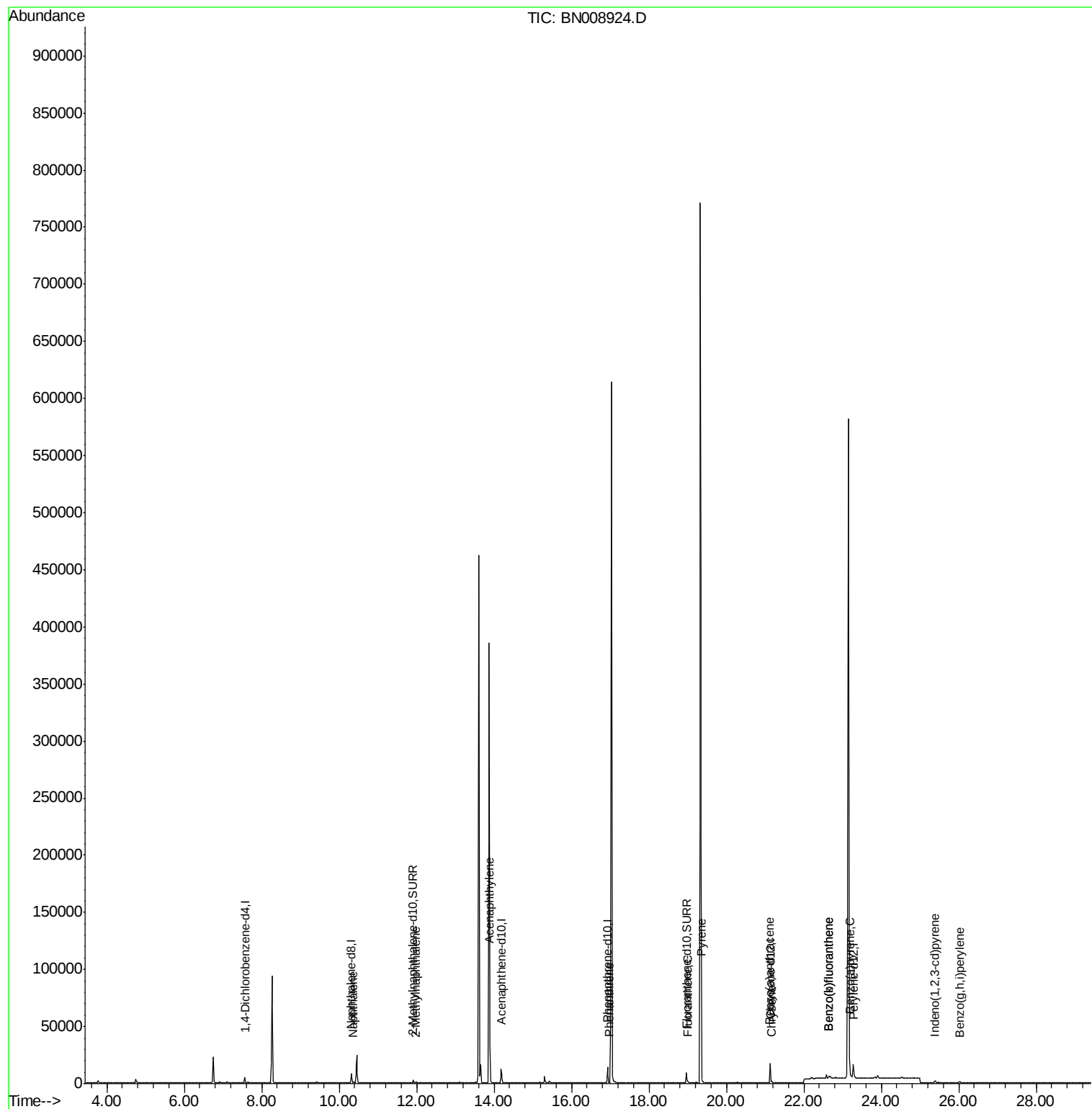
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	2319	0.40	ng/ul	0.00
2) Naphthalene-d8	10.31	136	10109	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.19	164	6621	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.93	188	15459	0.40	ng/ul	0.00
16) Chrysene-d12	21.13	240	13495	0.40	ng/ul	0.00
20) Perylene-d12	23.28	264	14728	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	3037	0.18	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	9129	0.19	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.36	128	951	0.031	ng/ul#	83
5) 2-Methylnaphthalene	11.99	142	729	0.034	ng/ul	99
7) Acenaphthylene	13.90	152	1334	0.036	ng/ul#	87
12) Phenanthrene	16.97	178	1403	0.027	ng/ul#	88
15) Fluoranthene	19.00	202	1334	0.021	ng/ul	84
17) Pyrene	19.36	202	1270	0.023	ng/ul#	81
18) Benzo(a)anthracene	21.12	228	1137	0.021	ng/ul#	66
19) Chrysene	21.17	228	1648	0.031	ng/ul#	87
21) Benzo(b)fluoranthene	22.65	252	4114	0.068	ng/ul#	46
22) Benzo(k)fluoranthene	22.65	252	4114	0.068	ng/ul#	48
23) Benzo(a)pyrene	23.19	252	1847	0.032	ng/ul#	31
24) Indeno(1,2,3-cd)pyrene	25.39	276	1975	0.030	ng/ul#	91
26) Benzo(g,h,i)perylene	26.02	276	1857	0.033	ng/ul#	79

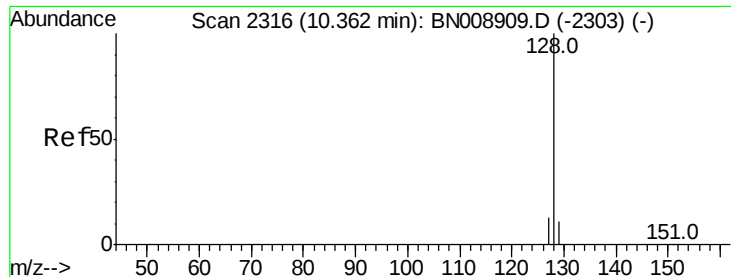
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 12 00:22:30 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 : Wed Dec 11 10:35:08 2019
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.031 ng/ul

RT: 10.36 min Scan# 2316

Delta R.T. 0.00 min

Lab File: BN008924.D

Acq: 11 Dec 2019 19:22

Instrument :

BNA_N

ClientSampleId :

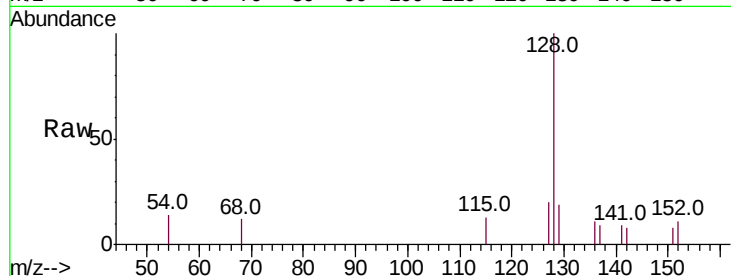
Tot Ion:128 Resp: 951

Ion Ratio Lower Upper

128 100

129 18.8 9.1 13.7#

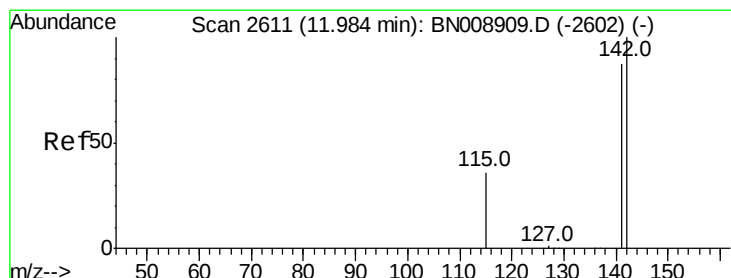
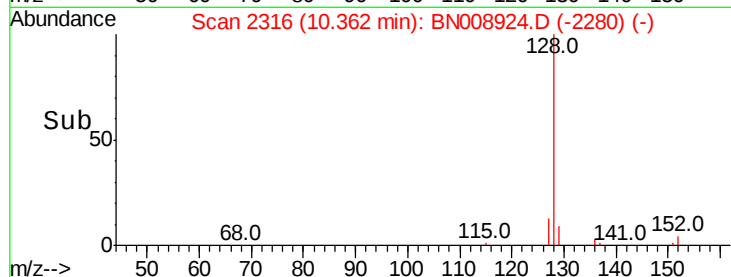
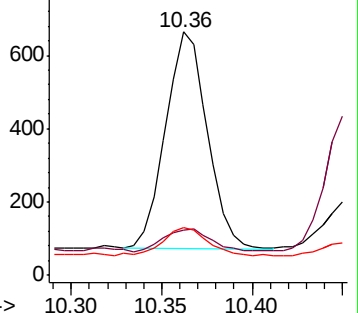
127 19.7 10.7 16.1#



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: 0.034 ng/ul

RT: 11.99 min Scan# 2612

Delta R.T. 0.01 min

Lab File: BN008924.D

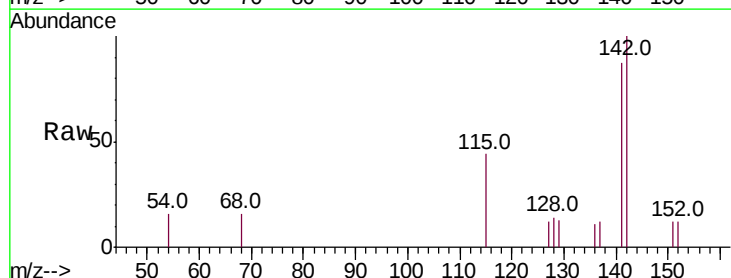
Acq: 11 Dec 2019 19:22

Tgt Ion:142 Resp: 729

Ion Ratio Lower Upper

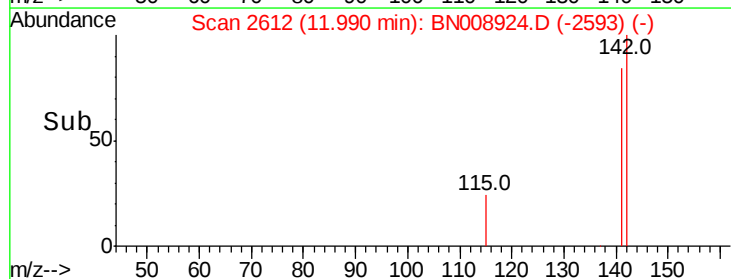
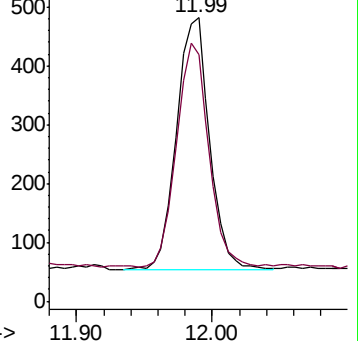
142 100

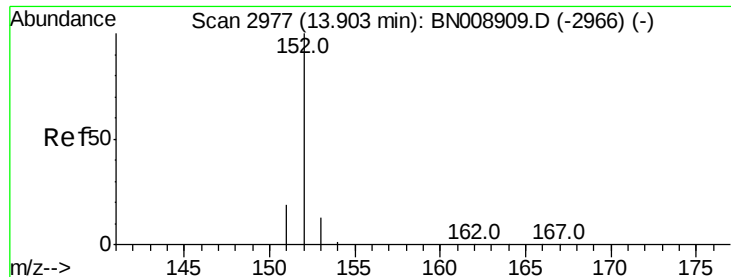
141 86.4 70.1 105.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.036 ng/ul

RT: 13.90 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BN008924.D

Acq: 11 Dec 2019 19:22

Instrument :

BNA_N

ClientSampleId :

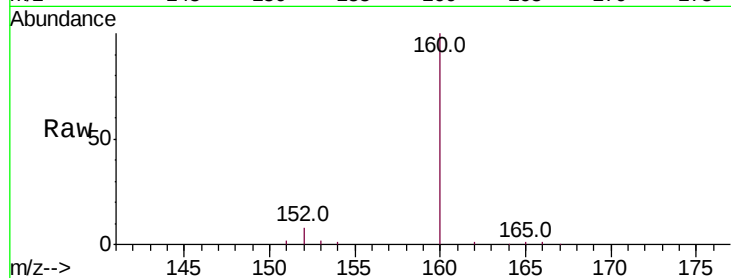
Tot Ion:152 Resp: 1334

Ion Ratio Lower Upper

152 100

151 24.5 15.8 23.6#

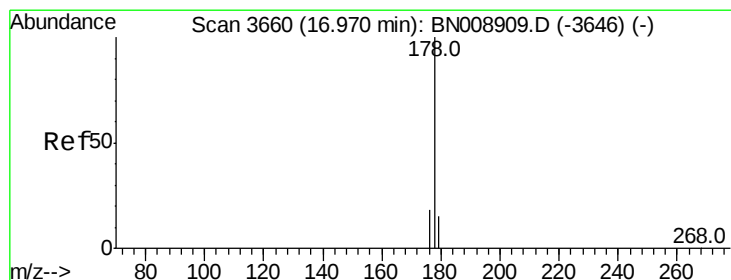
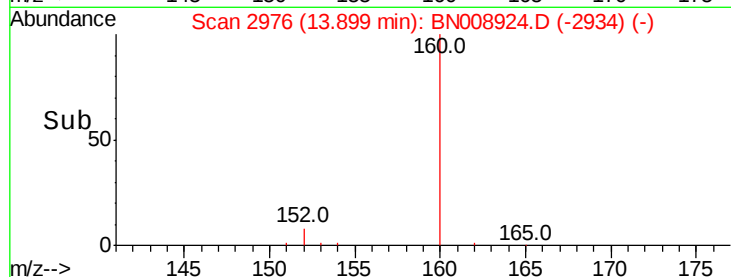
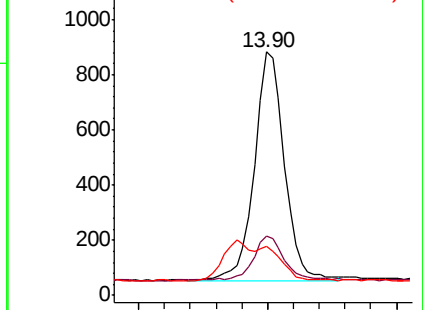
153 20.3 10.6 15.8#



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



#12

Phenanthrene

Concen: 0.027 ng/ul

RT: 16.97 min Scan# 3660

Delta R.T. 0.00 min

Lab File: BN008924.D

Acq: 11 Dec 2019 19:22

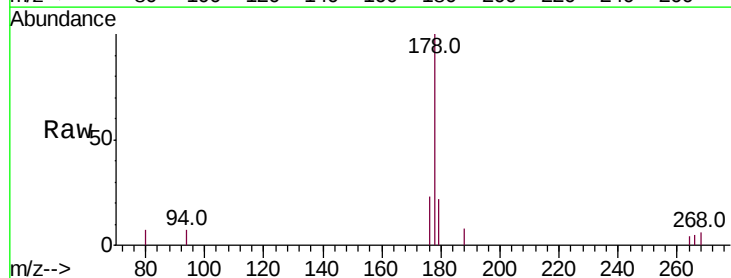
Tgt Ion:178 Resp: 1403

Ion Ratio Lower Upper

178 100

179 22.5 12.6 18.8#

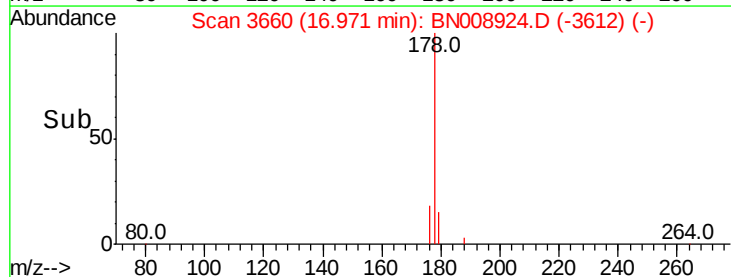
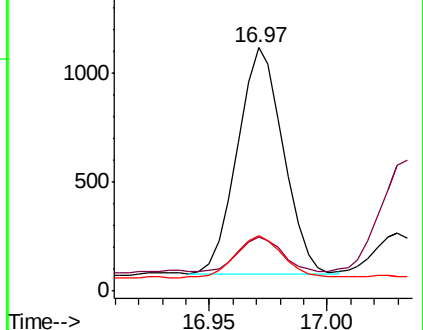
176 22.8 15.3 22.9

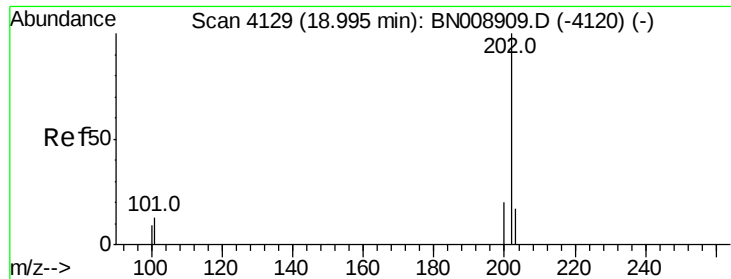


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

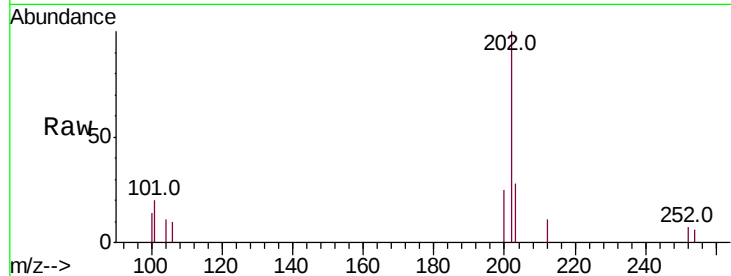




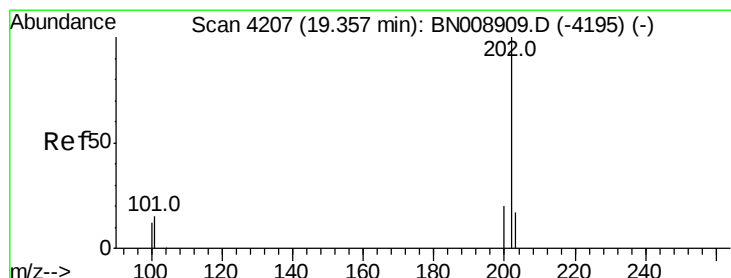
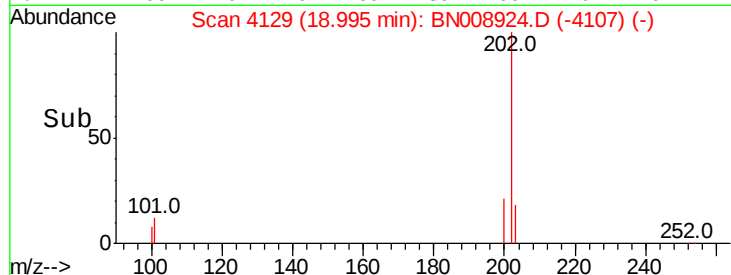
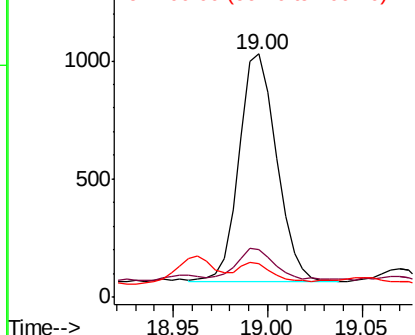
#15
Fluoranthene
 Concen: 0.021 ng/ul
 RT: 19.00 min Scan# 4129
 Delta R.T. 0.00 min
 Lab File: BN008924.D
 Acq: 11 Dec 2019 19:22

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 1334
 Ion Ratio Lower Upper
 202 100
 101 19.6 0.0 32.4
 100 13.7 0.0 29.2

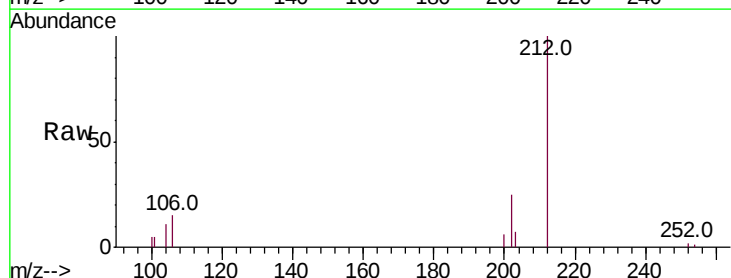


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

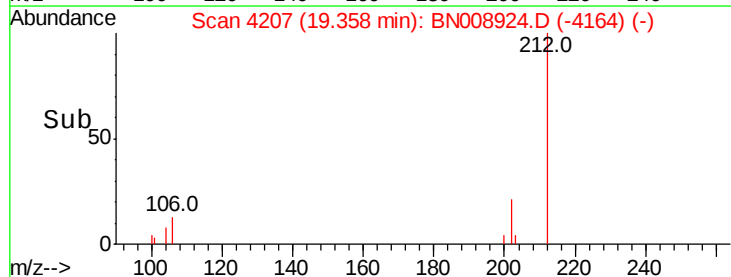
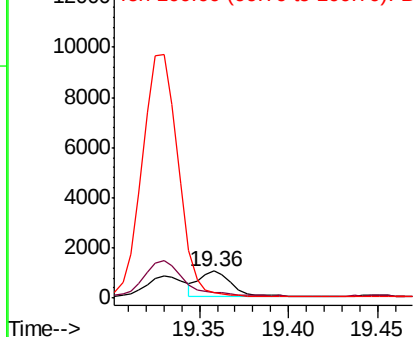


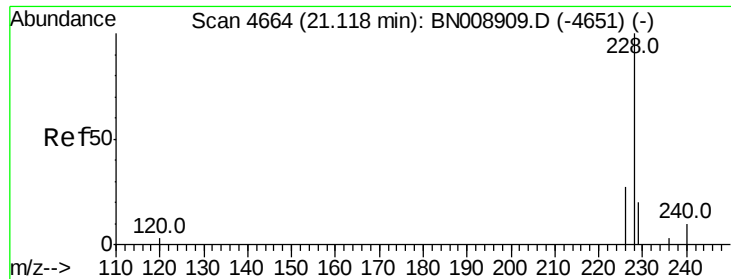
#17
Pyrene
 Concen: 0.023 ng/ul
 RT: 19.36 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: BN008924.D
 Acq: 11 Dec 2019 19:22

Tgt Ion:202 Resp: 1270
 Ion Ratio Lower Upper
 202 100
 101 22.0 12.2 18.4#
 100 20.3 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: 0.021 ng/ul

RT: 21.12 min Scan# 4663

Delta R.T. -0.00 min

Lab File: BN008924.D

Acq: 11 Dec 2019 19:22

Instrument :

BNA_N

ClientSampleId :

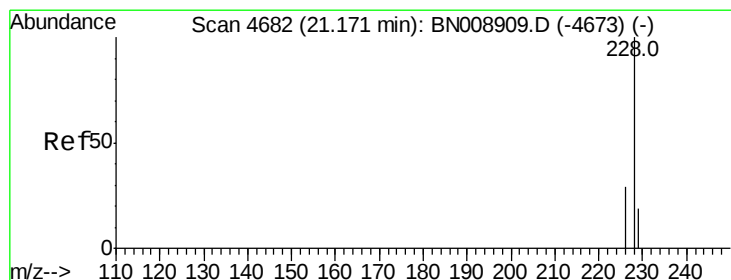
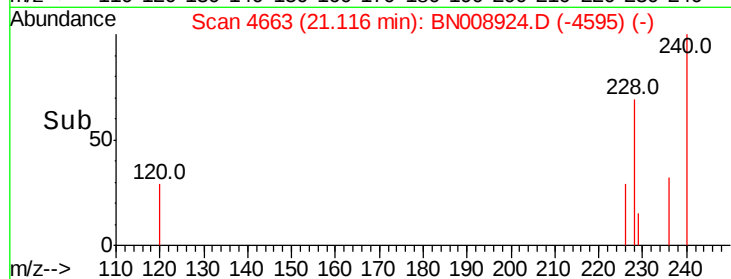
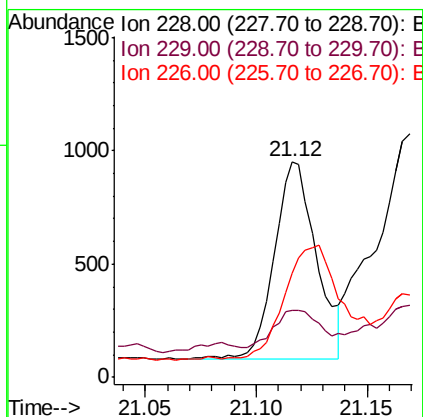
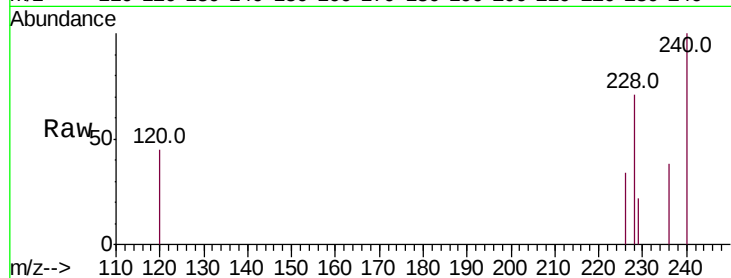
Tot Ion:228 Resp: 1137

Ion Ratio Lower Upper

228 100

229 31.2 15.7 23.5#

226 48.1 21.5 32.3#



#19

Chrysene

Concen: 0.031 ng/ul

RT: 21.17 min Scan# 4681

Delta R.T. -0.00 min

Lab File: BN008924.D

Acq: 11 Dec 2019 19:22

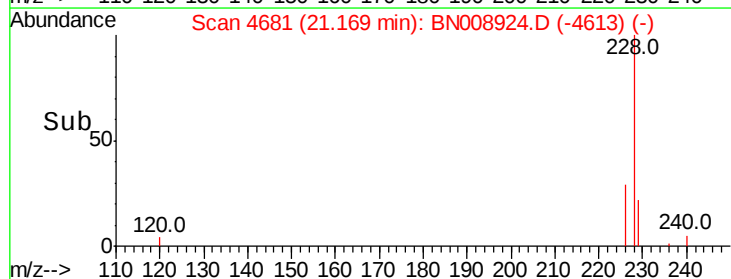
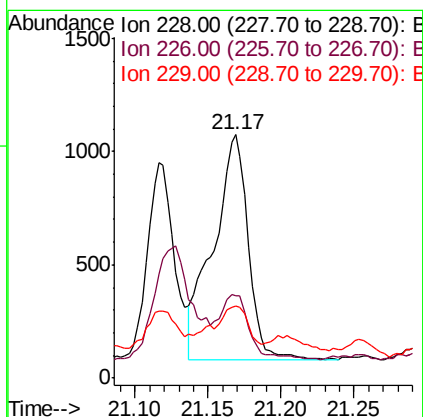
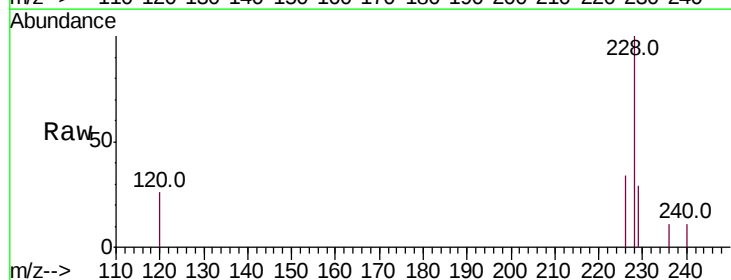
Tgt Ion:228 Resp: 1648

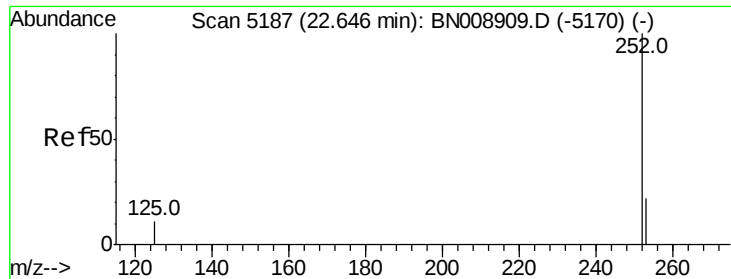
Ion Ratio Lower Upper

228 100

226 33.9 23.8 35.6

229 29.5 15.6 23.4#





#21

Benzo(b)fluoranthene

Concen: 0.068 ng/ul

RT: 22.65 min Scan# 5187

Delta R.T. 0.00 min

Lab File: BN008924.D

Acq: 11 Dec 2019 19:22

Instrument :

BNA_N

ClientSampleId :

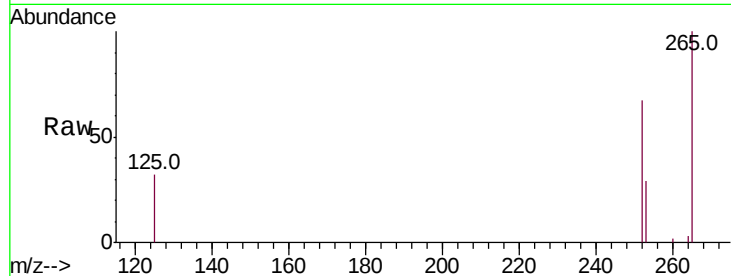
Tot Ion:252 Resp: 4114

Ion Ratio Lower Upper

252 100

253 43.8 0.0 48.6

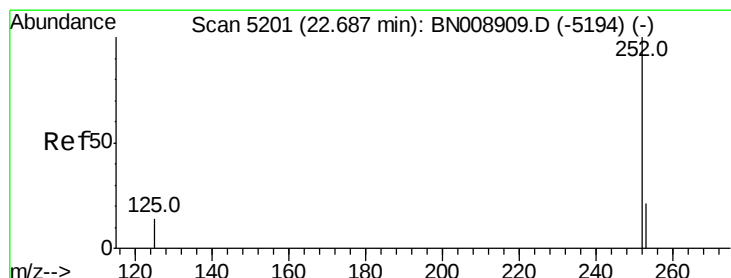
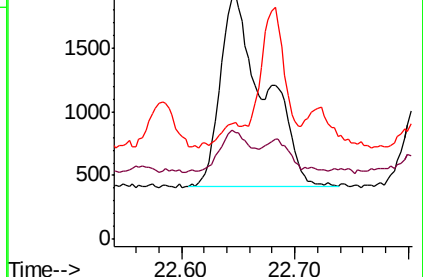
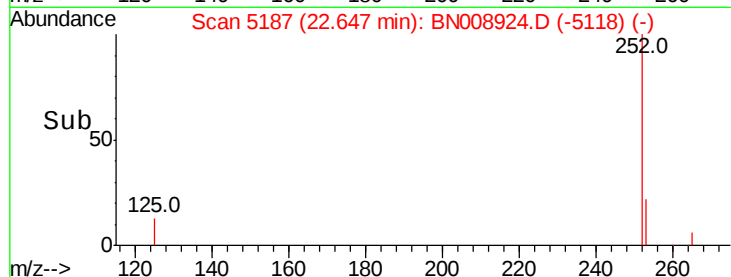
125 48.1 0.0 31.6#



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: 0.068 ng/ul

RT: 22.65 min Scan# 5187

Delta R.T. -0.04 min

Lab File: BN008924.D

Acq: 11 Dec 2019 19:22

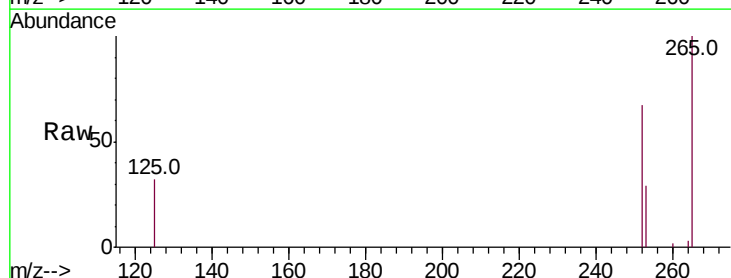
Tgt Ion:252 Resp: 4114

Ion Ratio Lower Upper

252 100

253 43.8 19.6 29.4#

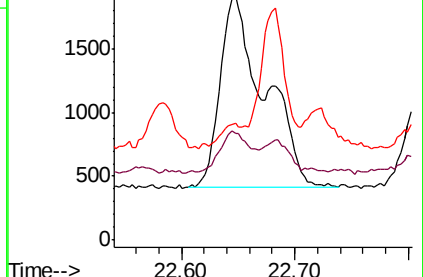
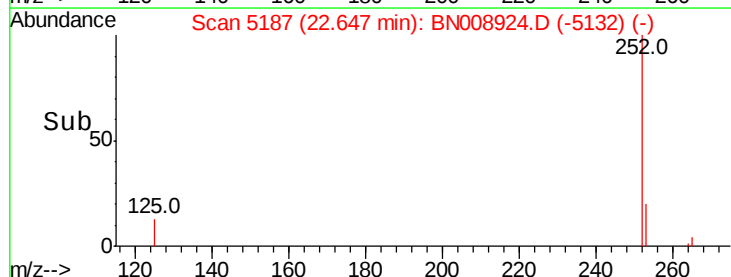
125 48.1 13.8 20.6#

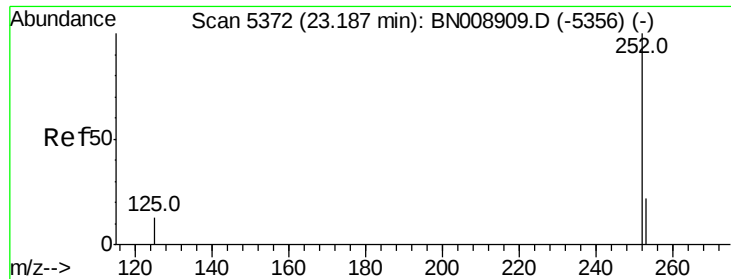


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.032 ng/u1

RT: 23.19 min Scan# 5371

Delta R.T. -0.00 min

Lab File: BN008924.D

Acq: 11 Dec 2019 19:22

Instrument :

BNA_N

ClientSampleId :

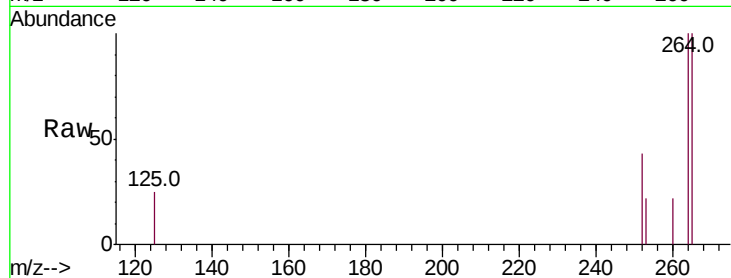
Tot Ion:252 Resp: 1847

Ion Ratio Lower Upper

252 100

253 51.1 19.9 29.9#

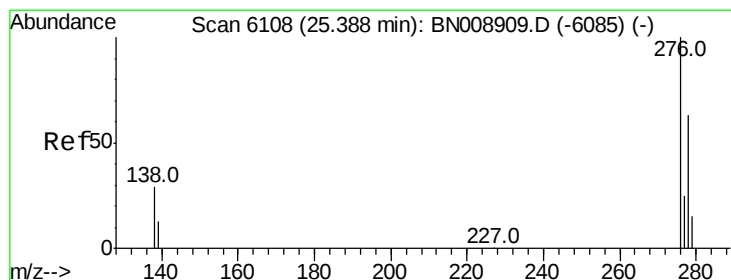
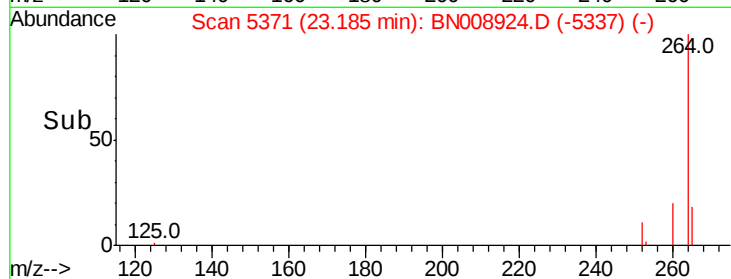
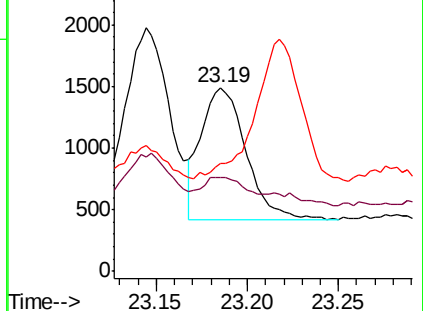
125 58.7 14.6 22.0#



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: 0.030 ng/u1

RT: 25.39 min Scan# 6108

Delta R.T. 0.00 min

Lab File: BN008924.D

Acq: 11 Dec 2019 19:22

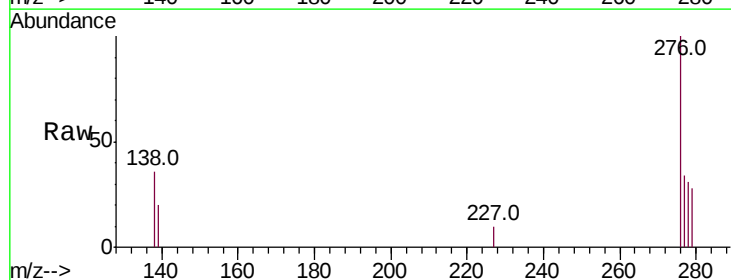
Tgt Ion:276 Resp: 1975

Ion Ratio Lower Upper

276 100

138 34.5 23.8 35.6

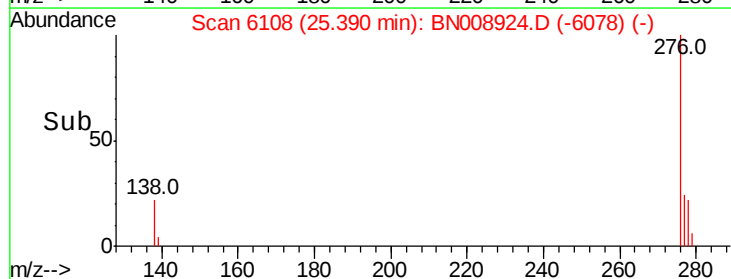
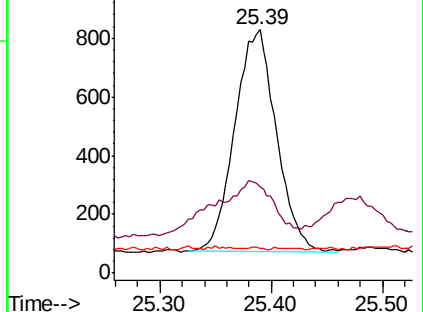
227 0.4 0.2 0.2#

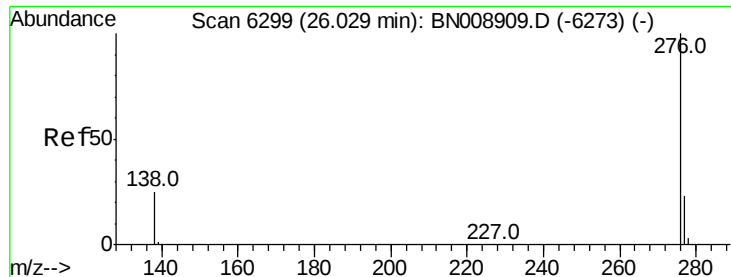


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.033 ng/ul

RT: 26.02 min Scan# 6297

Delta R.T. -0.01 min

Lab File: BN008924.D

Acq: 11 Dec 2019 19:22

Instrument :

BNA_N

ClientSampleId :

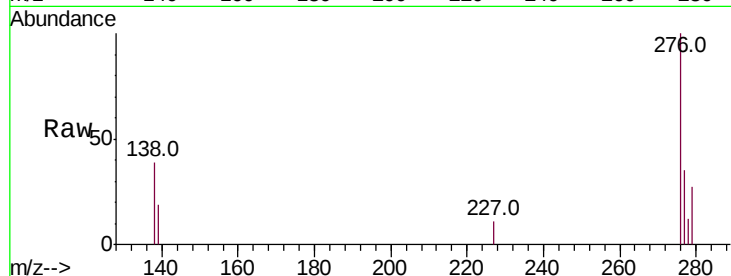
Tot Ion:276 Resp: 1857

Ion Ratio Lower Upper

276 100

138 38.9 21.9 32.9#

277 35.3 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

