

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN120720\
 Data File : BN013017.D
 Acq On : 09 Dec 2020 18:20
 Operator : CG/JU
 Sample : L4941-03
 Misc :
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Dec 10 00:59:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN120320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 07:33:34 2020
 Response via : Initial Calibration

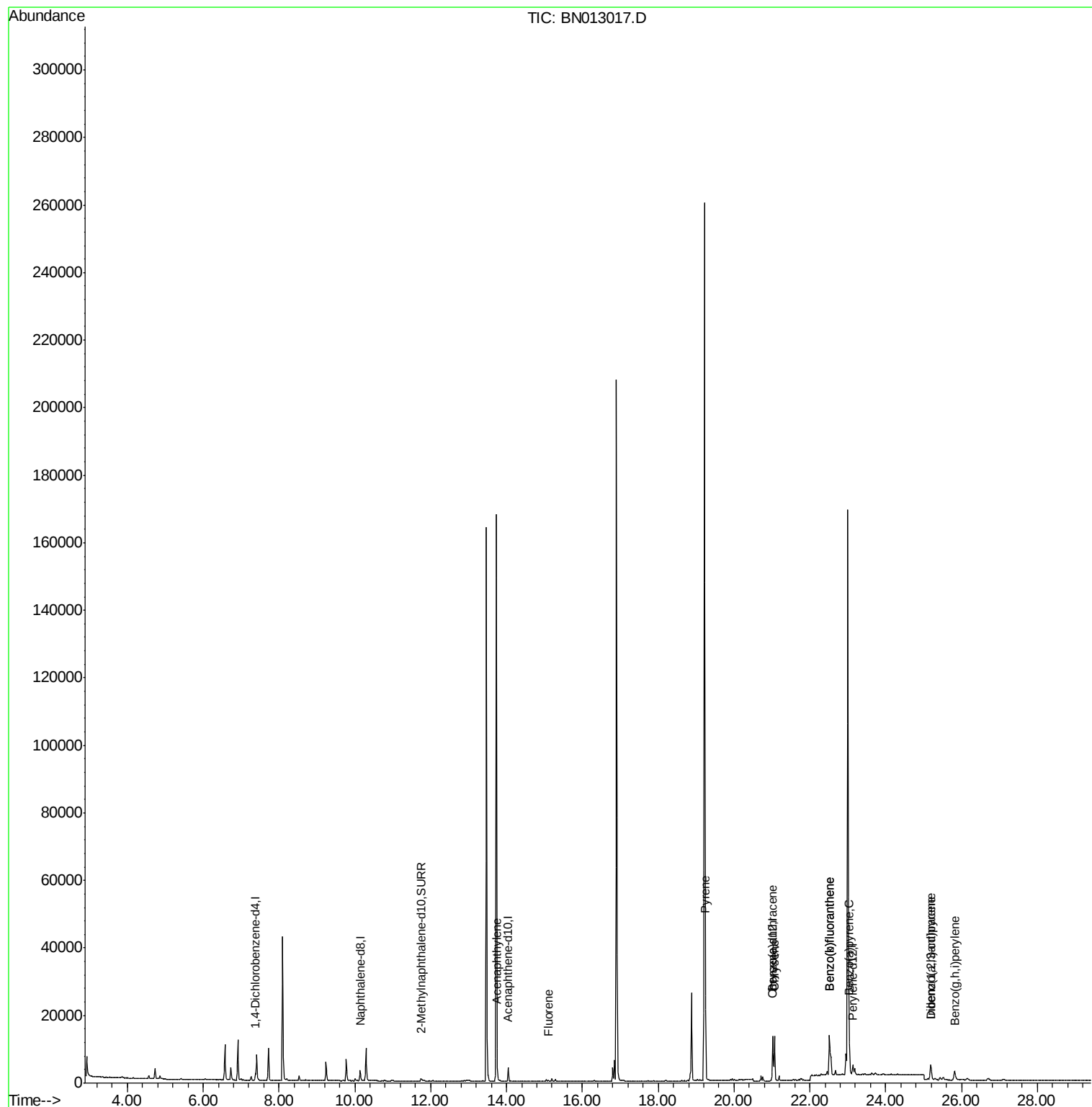
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1008	0.40	ng/ul	-0.01
2) Naphthalene-d8	10.14	136	3965	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.05	164	2202	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.81
16) Chrysene-d12	21.03	240	3694	0.40	ng/ul	0.00
20) Perylene-d12	23.14	264	3438	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.75	152	1162	0.20	ng/ul	-0.01
14) Fluoranthene-d10	18.85	212	2600	0.00	ng/ul	0.00
Target Compounds				Ovalue		
7) Acenaphthylene	13.76	152	386	0.037	ng/ul#	62
9) Fluorene	15.11	166	218	0.022	ng/ul#	89
17) Pyrene	19.25	202	18926	1.085	ng/ul	96
18) Benzo(a)anthracene	21.02	228	10410	0.681	ng/ul	98
19) Chrysene	21.07	228	12944	0.767	ng/ul	99
21) Benzo(b)fluoranthene	22.52	252	23145	1.455	ng/ul	93
22) Benzo(k)fluoranthene	22.52	252	23068	1.312	ng/ul	95
23) Benzo(a)pyrene	23.04	252	10101	0.684	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.19	276	6763	0.349	ng/ul#	98
25) Dibenzo(a,h)anthracene	25.19	278	1627	0.106	ng/ul#	64
26) Benzo(g,h,i)perylene	25.82	276	5627	0.321	ng/ul#	94

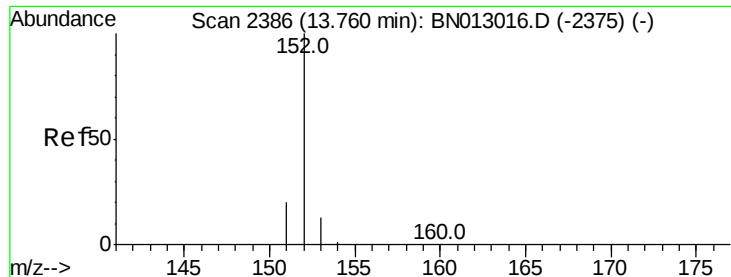
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#7

Acenaphthylene

Concen: 0.037 ng/ul

RT: 13.76 min Scan# 2387

Delta R.T. -0.00 min

Lab File: BN013017.D

Acq: 09 Dec 2020 18:20

Instrument :

BNA_N

ClientSampleId :

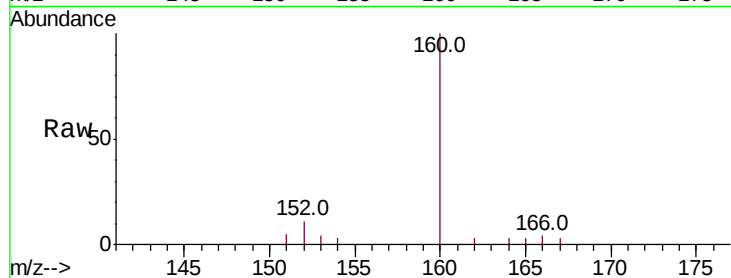
Tot Ion:152 Resp: 386

Ion Ratio Lower Upper

152 100

151 40.9 18.2 27.4#

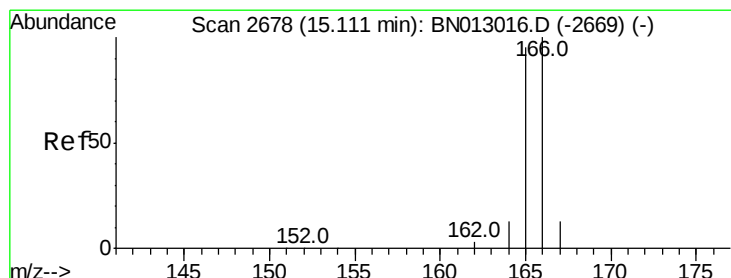
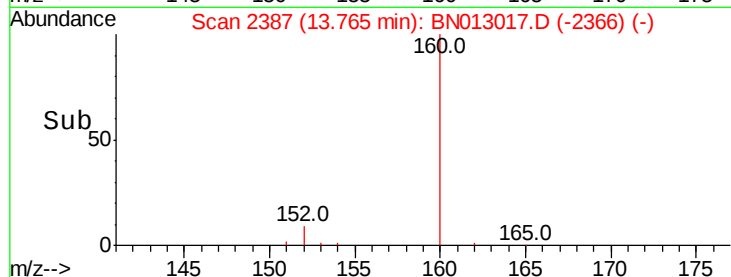
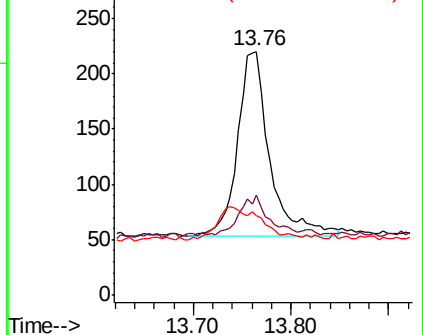
153 32.7 13.1 19.7#



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: 0.022 ng/ul

RT: 15.11 min Scan# 2677

Delta R.T. -0.01 min

Lab File: BN013017.D

Acq: 09 Dec 2020 18:20

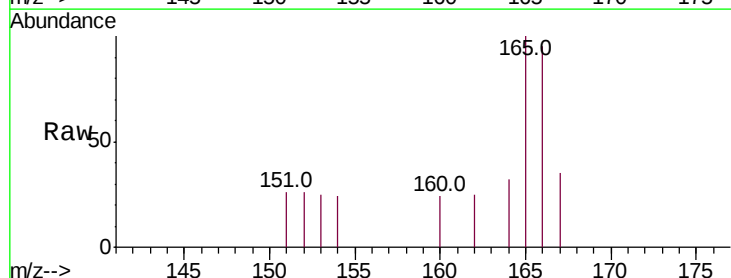
Tgt Ion:166 Resp: 218

Ion Ratio Lower Upper

166 100

165 104.8 79.8 119.8

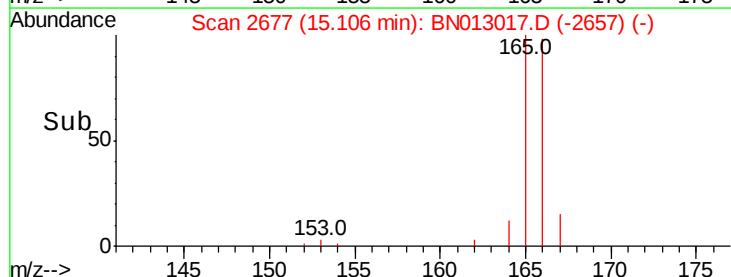
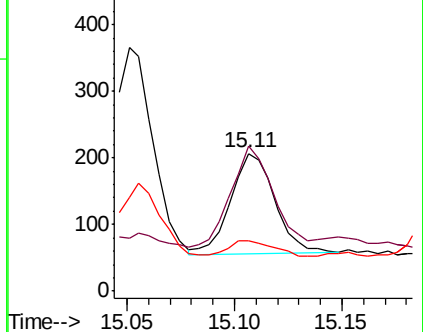
167 36.2 13.8 20.8#

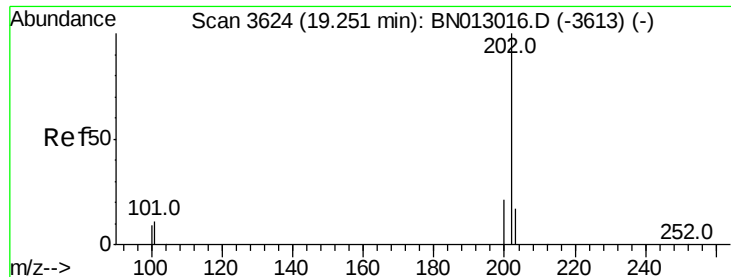


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#17

Pvrene

Concen: 1.085 ng/ul

RT: 19.25 min Scan# 3623

Delta R.T. -0.00 min

Lab File: BN013017.D

Acq: 09 Dec 2020 18:20

Instrument :

BNA_N

ClientSampleId :

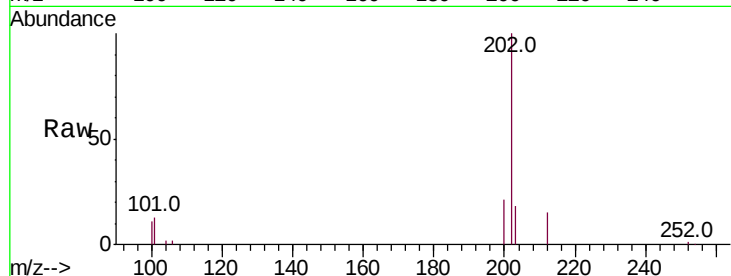
Tot Ion:202 Resp: 18926

Ion Ratio Lower Upper

202 100

101 12.9 9.1 13.7

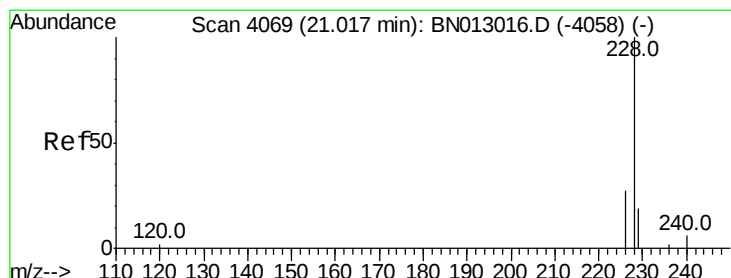
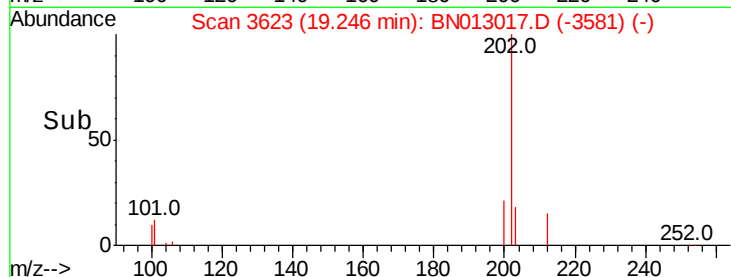
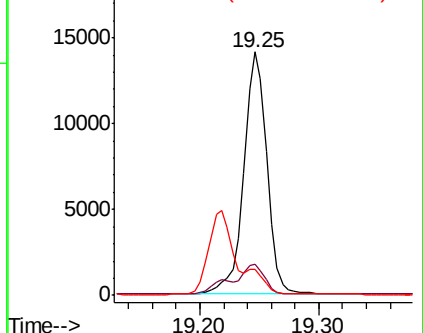
100 10.7 7.5 11.3



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): E



#18

Benzo(a)anthracene

Concen: 0.681 ng/ul

RT: 21.02 min Scan# 4069

Delta R.T. -0.00 min

Lab File: BN013017.D

Acq: 09 Dec 2020 18:20

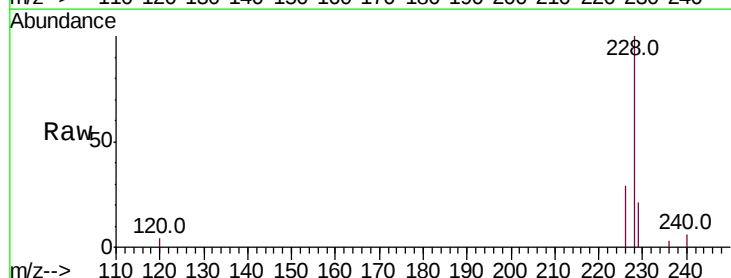
Tgt Ion:228 Resp: 10410

Ion Ratio Lower Upper

228 100

229 21.5 16.3 24.5

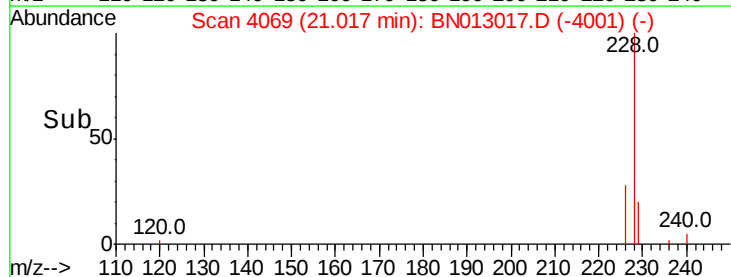
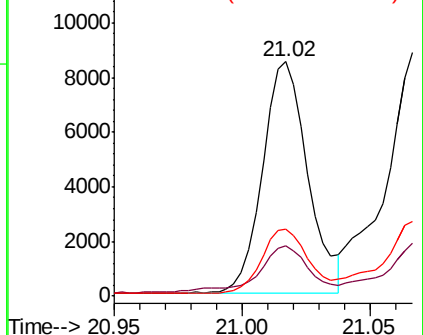
226 28.7 23.4 35.2

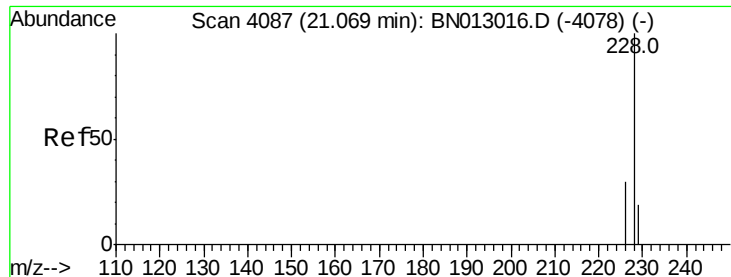


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 0.767 ng/ul

RT: 21.07 min Scan# 4086

Delta R.T. -0.01 min

Lab File: BN013017.D

Acq: 09 Dec 2020 18:20

Instrument :

BNA_N

ClientSampleId :

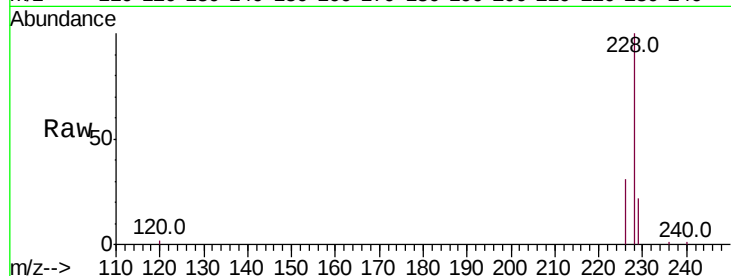
Tot Ion:228 Resp: 12944

Ion Ratio Lower Upper

228 100

226 30.9 25.0 37.6

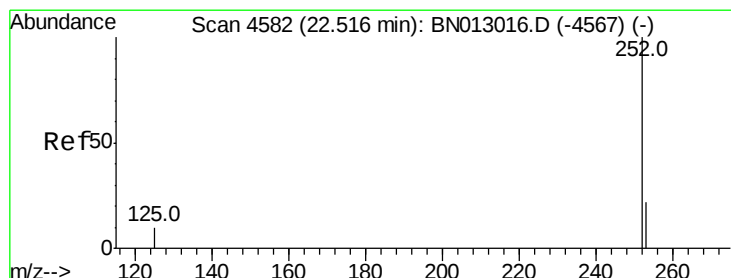
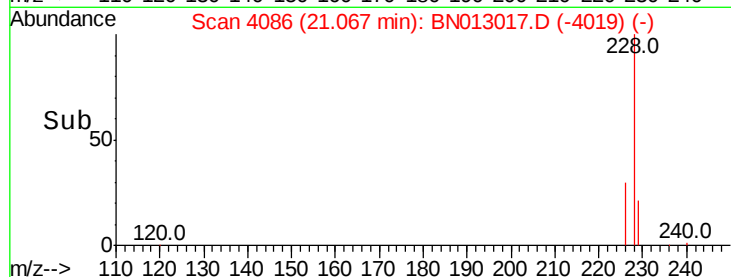
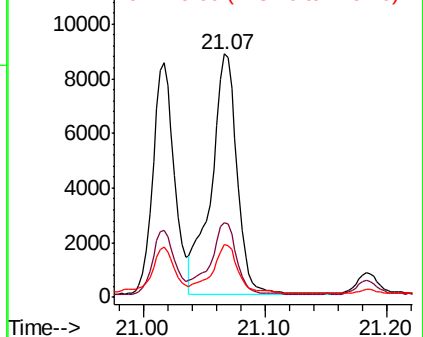
229 21.6 16.4 24.6



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: 1.455 ng/ul

RT: 22.52 min Scan# 4582

Delta R.T. -0.00 min

Lab File: BN013017.D

Acq: 09 Dec 2020 18:20

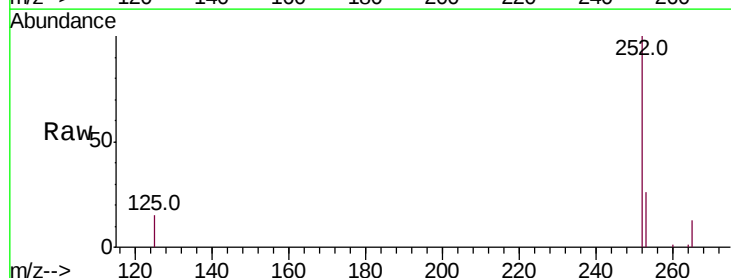
Tgt Ion:252 Resp: 23145

Ion Ratio Lower Upper

252 100

253 25.6 0.0 59.6

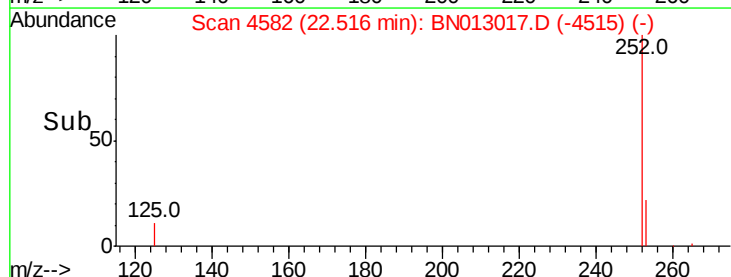
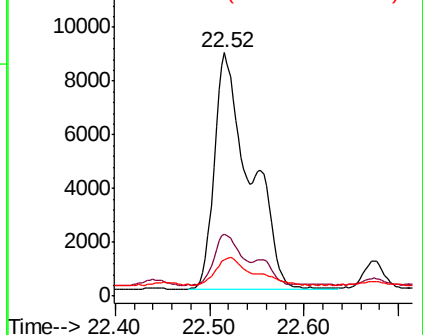
125 15.0 0.0 26.0

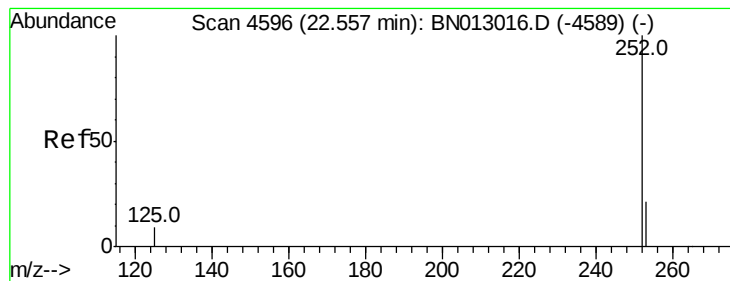


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.312 ng/ul

RT: 22.52 min Scan# 4582

Delta R.T. -0.04 min

Lab File: BN013017.D

Acq: 09 Dec 2020 18:20

Instrument :

BNA_N

ClientSampleId :

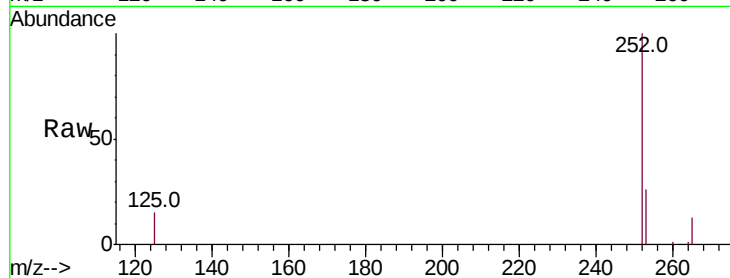
Tot Ion:252 Resp: 23068

Ion Ratio Lower Upper

252 100

253 25.6 23.4 35.2

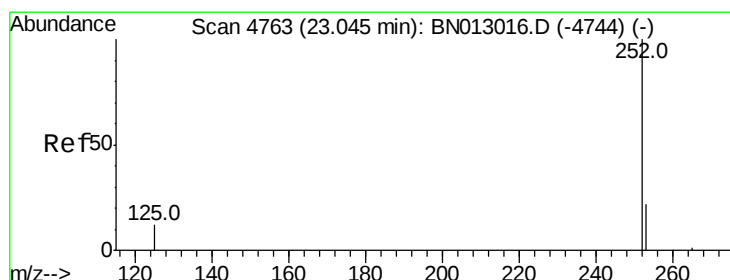
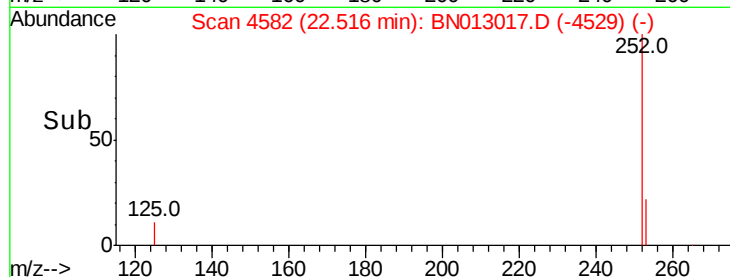
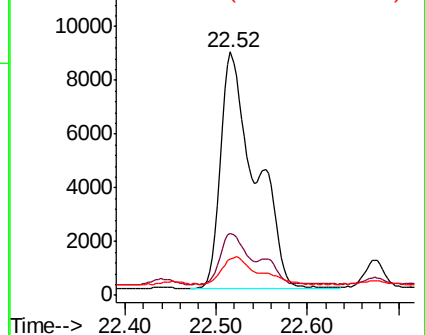
125 15.0 11.1 16.7



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: 0.684 ng/ul

RT: 23.04 min Scan# 4762

Delta R.T. -0.00 min

Lab File: BN013017.D

Acq: 09 Dec 2020 18:20

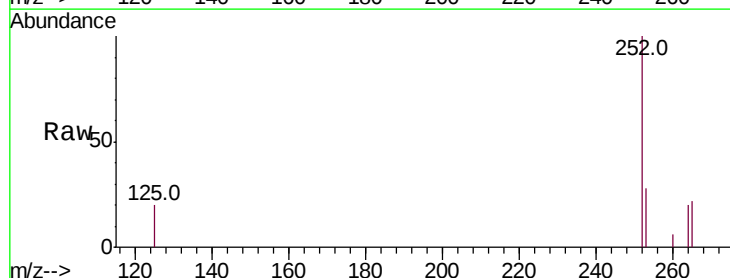
Tgt Ion:252 Resp: 10101

Ion Ratio Lower Upper

252 100

253 27.8 26.5 39.7

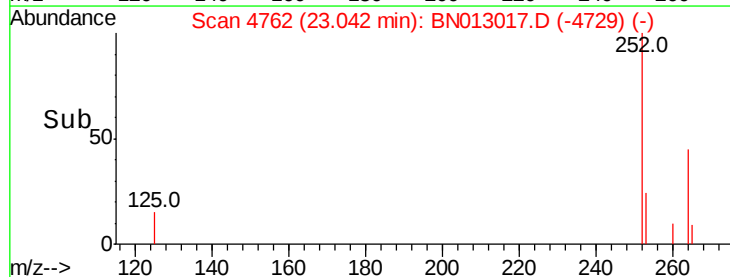
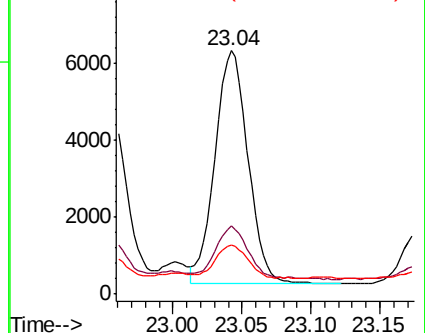
125 20.0 14.2 21.2

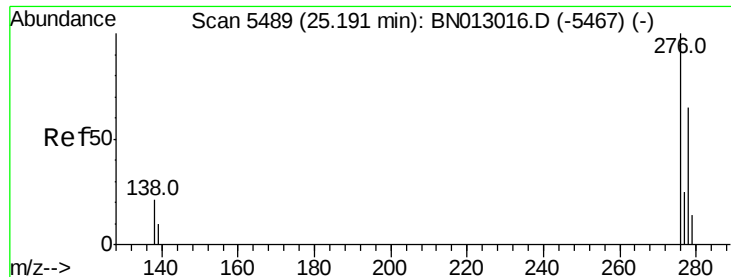


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



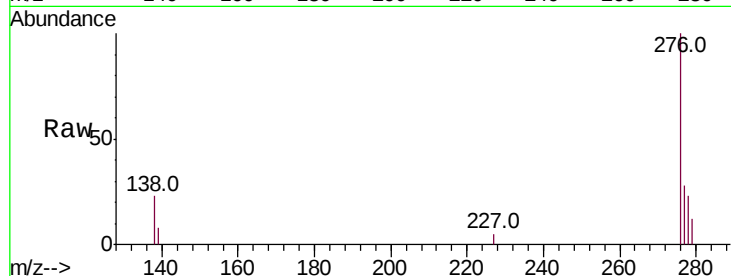


#24

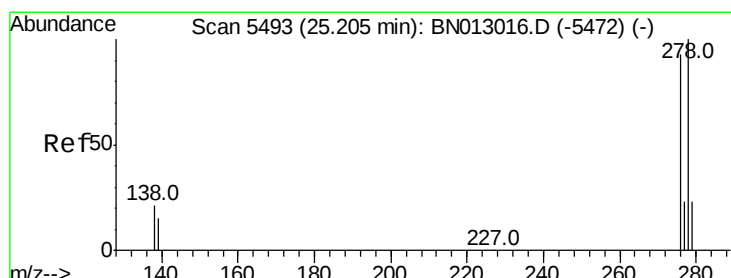
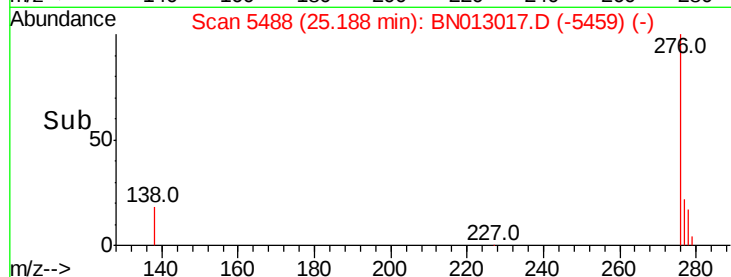
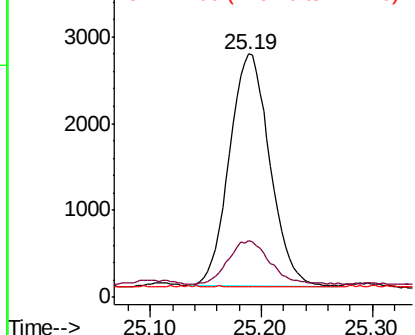
Indeno(1,2,3-cd)pyrene
Concen: 0.349 ng/ul
RT: 25.19 min Scan# 5489
Delta R.T. -0.00 min
Lab File: BN013017.D
Acq: 09 Dec 2020 18:20

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 6763
Ion Ratio Lower Upper
276 100
138 19.1 16.2 24.2
227 0.0 0.0 0.0#



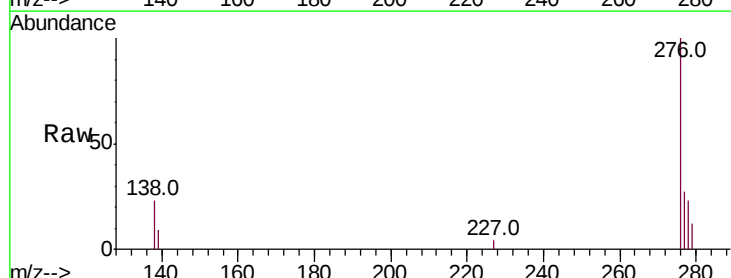
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 227.00 (226.70 to 227.70): E



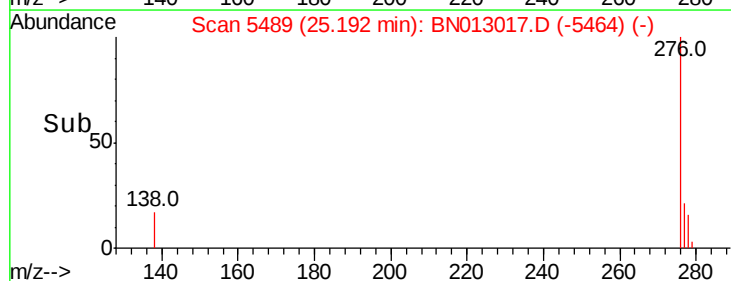
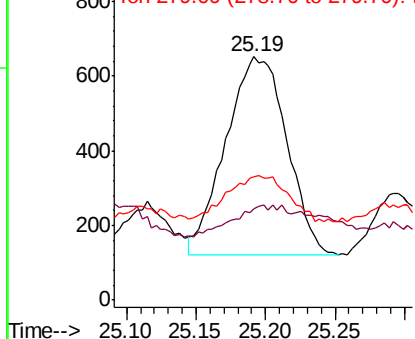
#25

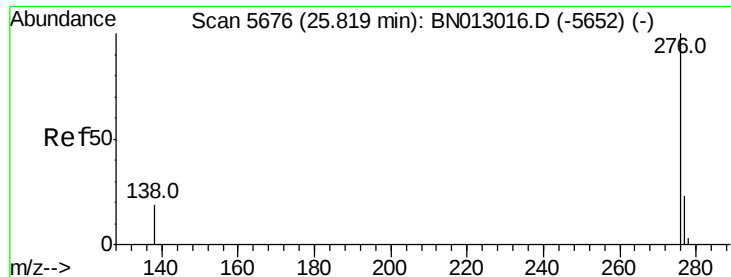
Dibenzo(a,h)anthracene
Concen: 0.106 ng/ul
RT: 25.19 min Scan# 5489
Delta R.T. -0.02 min
Lab File: BN013017.D
Acq: 09 Dec 2020 18:20

Tgt Ion:278 Resp: 1627
Ion Ratio Lower Upper
278 100
139 37.4 14.5 21.7#
279 50.5 26.3 39.5#



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: 0.321 ng/ul

RT: 25.82 min Scan# 5675

Delta R.T. -0.01 min

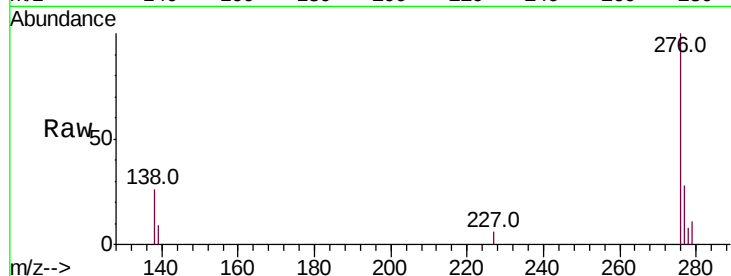
Lab File: BN013017.D

Acq: 09 Dec 2020 18:20

Instrument :

BNA_N

ClientSampleId :



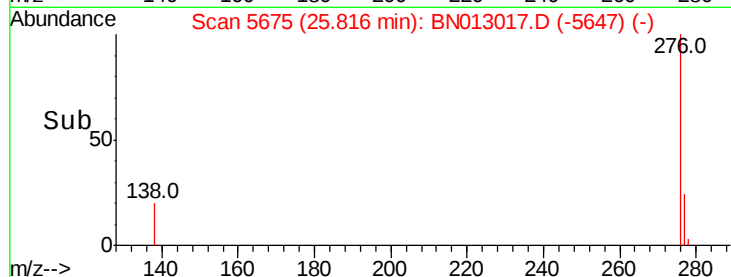
Tot Ion: 276 Resp: 5627

Ion Ratio Lower Upper

276 100

138 25.6 16.3 24.5#

277 28.5 21.8 32.6



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

