

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN012721\
 Data File : BN013514.D
 Acq On : 27 Jan 2021 20:08
 Operator : CG/JU
 Sample : M1099-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 F1C04

Quant Time: Jan 27 23:45:12 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN012721.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 27 23:35:53 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	4161	0.40	ng/ul	0.00
2) Naphthalene-d8	10.33	136	16013	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	9496	0.40	ng/ul	0.00
10) Phenanthrene-d10	0.00	188	0	0.00	ng/ul	-16.95
16) Chrysene-d12	21.15	240	18008	0.40	ng/ul	0.00
20) Perylene-d12	23.32	264	17993	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.92	152	9209	0.38	ng/ul	0.00
14) Fluoranthene-d10	18.99	212	18701	0.00	ng/ul	0.00

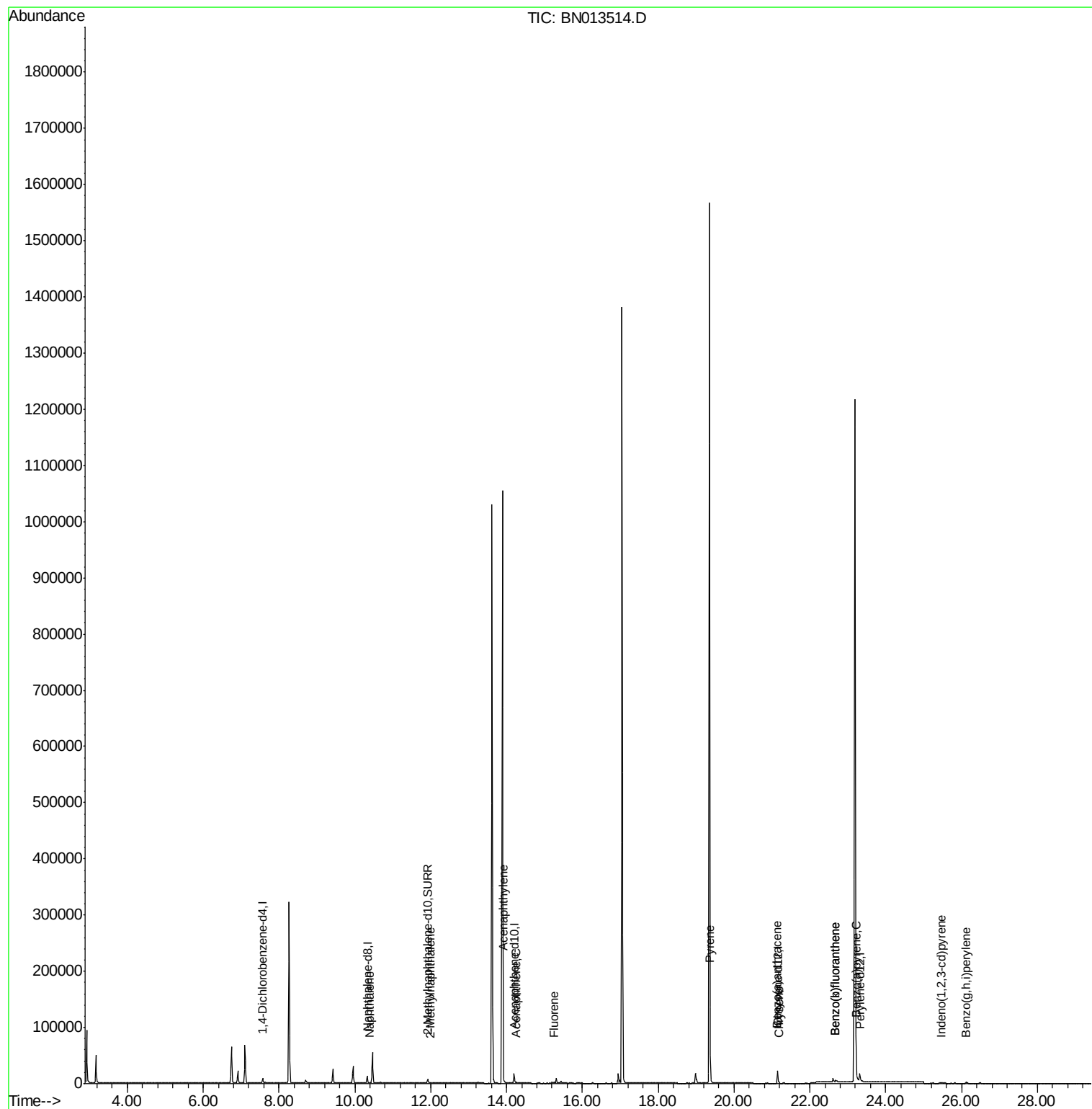
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.38	128	2053	0.044	ng/ul#	88
5) 2-Methylnaphthalene	12.00	142	822	0.028	ng/ul	96
7) Acenaphthylene	13.92	152	2771	0.071	ng/ul#	94
8) Acenaphthene	14.26	153	1069	0.031	ng/ul	98
9) Fluorene	15.25	166	1296	0.034	ng/ul#	94
17) Pyrene	19.38	202	14477	0.196	ng/ul	99
18) Benzo(a)anthracene	21.14	228	2094	0.035	ng/ul#	59
19) Chrysene	21.19	228	2588	0.035	ng/ul#	90
21) Benzo(b)fluoranthene	22.68	252	6678	0.088	ng/ul#	63
22) Benzo(k)fluoranthene	22.68	252	6678	0.083	ng/ul#	64
23) Benzo(a)pyrene	23.23	252	2755	0.043	ng/ul#	50
24) Indeno(1,2,3-cd)pyrene	25.47	276	2790	0.033	ng/ul#	100
26) Benzo(g,h,i)perylene	26.13	276	3736	0.050	ng/ul#	91

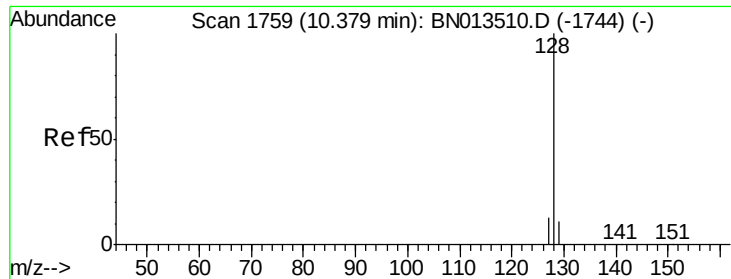
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.044 ng/ul

RT: 10.38 min Scan# 1759

Delta R.T. 0.00 min

Lab File: BN013514.D

Acq: 27 Jan 2021 20:08

Instrument :

BNA_N

ClientSampleId :

F1C04

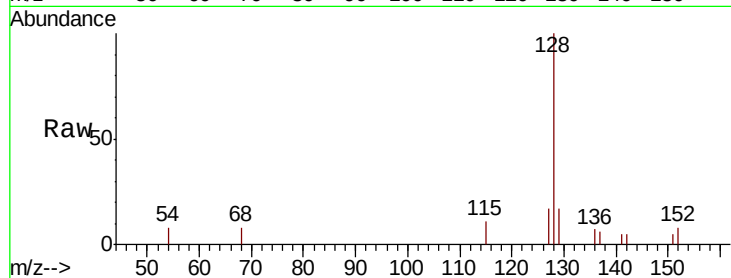
Tot Ion:128 Resp: 2053

Ion Ratio Lower Upper

128 100

129 17.1 9.0 13.6#

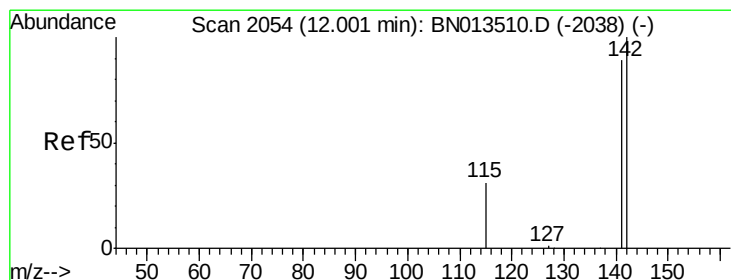
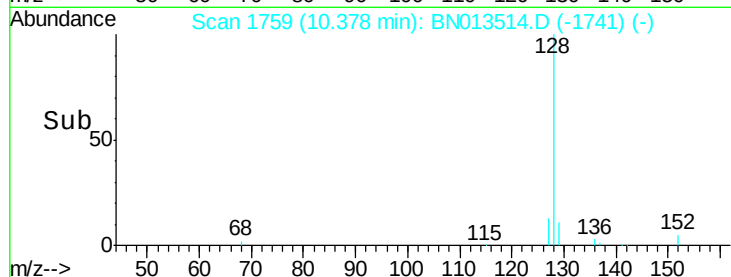
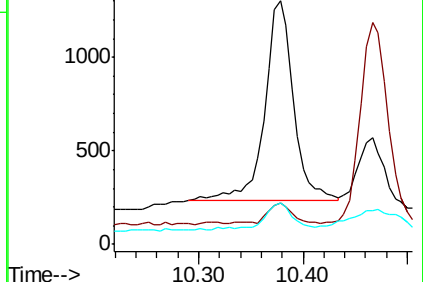
127 17.0 10.6 15.8#



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: 0.028 ng/ul

RT: 12.00 min Scan# 2054

Delta R.T. 0.00 min

Lab File: BN013514.D

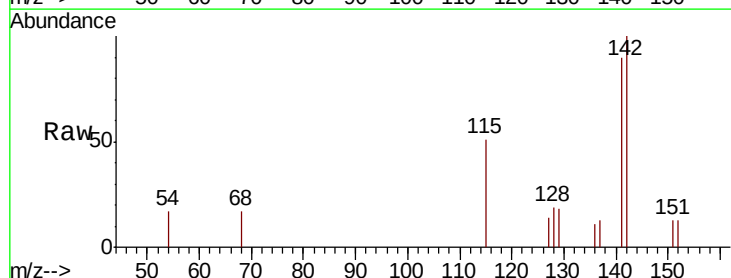
Acq: 27 Jan 2021 20:08

Tgt Ion:142 Resp: 822

Ion Ratio Lower Upper

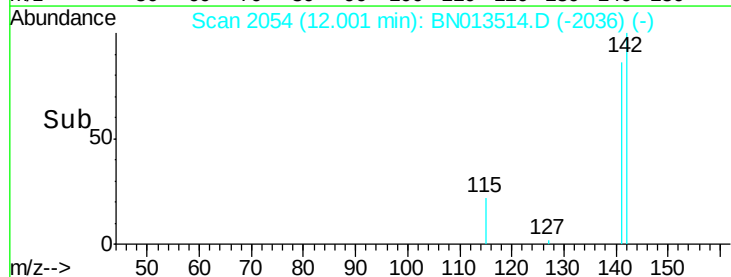
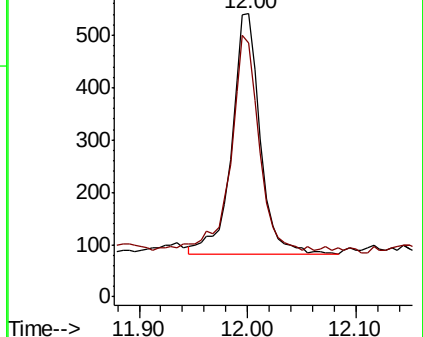
142 100

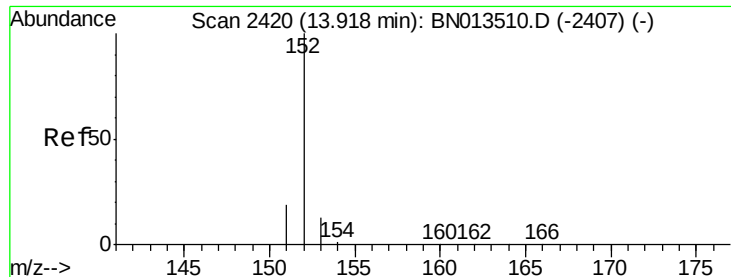
141 91.8 70.6 106.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.071 ng/ul

RT: 13.92 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BN013514.D

Acq: 27 Jan 2021 20:08

Instrument :

BNA_N

ClientSampleId :

F1C04

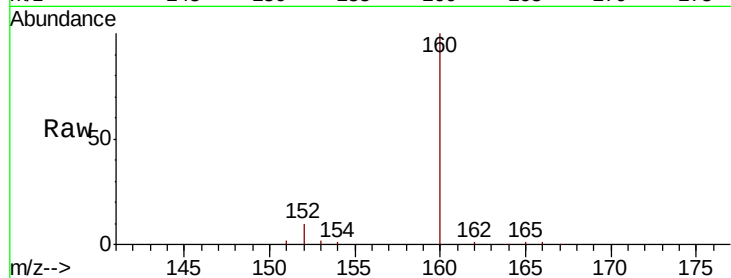
Tot Ion:152 Resp: 2771

Ion Ratio Lower Upper

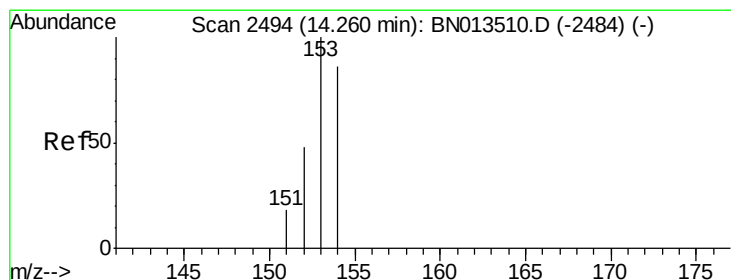
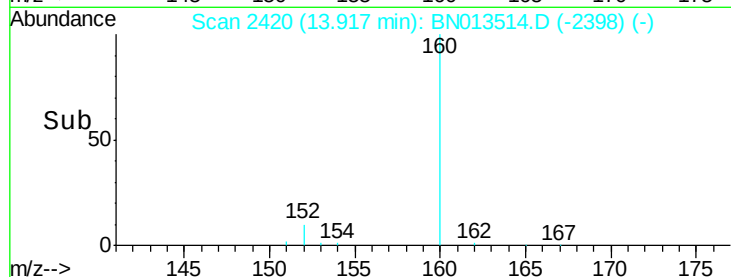
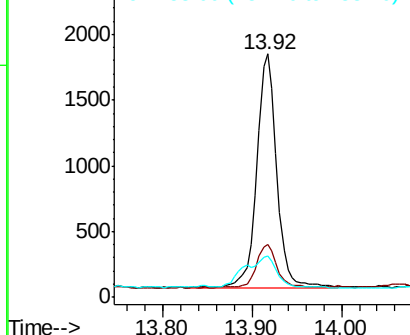
152 100

151 21.8 16.1 24.1

153 17.1 10.7 16.1#



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: 0.031 ng/ul

RT: 14.26 min Scan# 2495

Delta R.T. 0.00 min

Lab File: BN013514.D

Acq: 27 Jan 2021 20:08

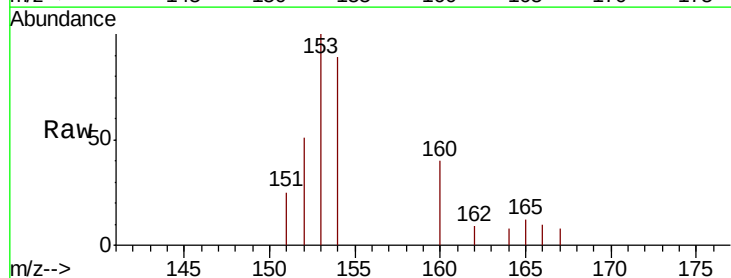
Tgt Ion:153 Resp: 1069

Ion Ratio Lower Upper

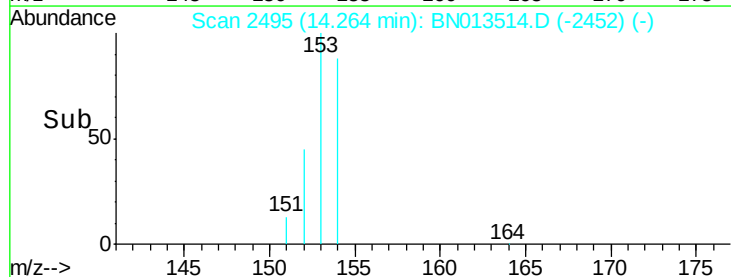
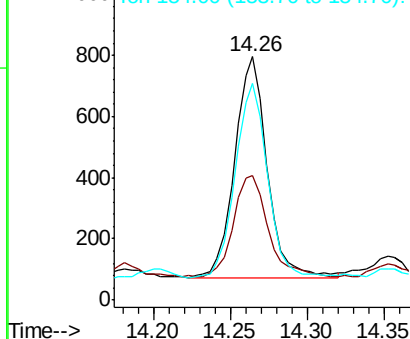
153 100

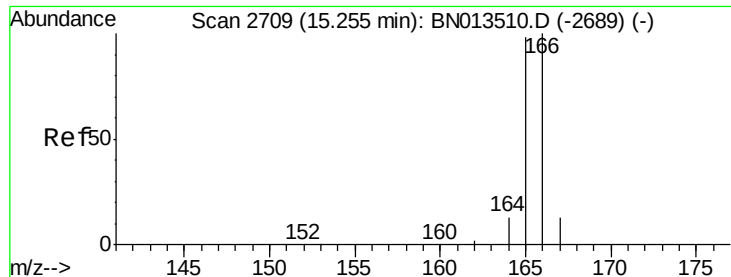
152 51.3 39.5 59.3

154 89.1 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: 0.034 ng/ul

RT: 15.25 min Scan# 2709

Delta R.T. 0.00 min

Lab File: BN013514.D

Acq: 27 Jan 2021 20:08

Instrument :

BNA_N

ClientSampleId :

F1C04

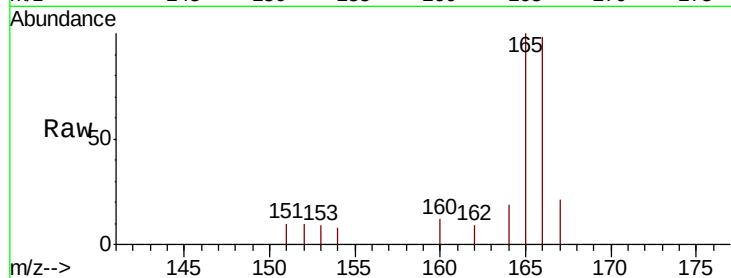
Tot Ion:166 Resp: 1296

Ion Ratio Lower Upper

166 100

165 102.3 78.7 118.1

167 21.9 11.3 16.9#

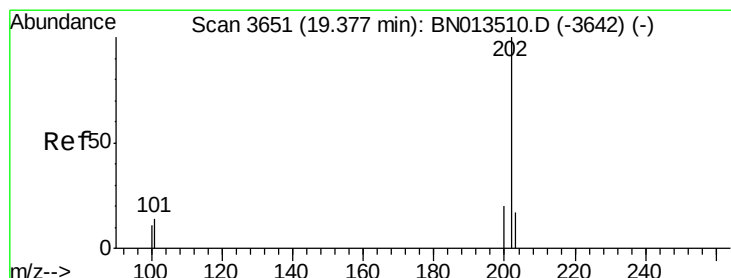
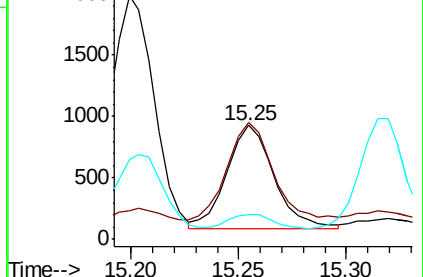
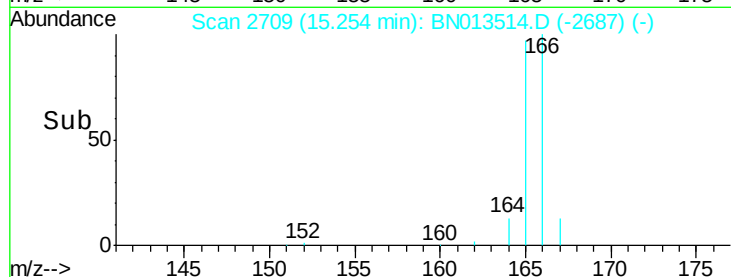


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



#17

Pyrene

Concen: 0.196 ng/ul

RT: 19.38 min Scan# 3652

Delta R.T. 0.00 min

Lab File: BN013514.D

Acq: 27 Jan 2021 20:08

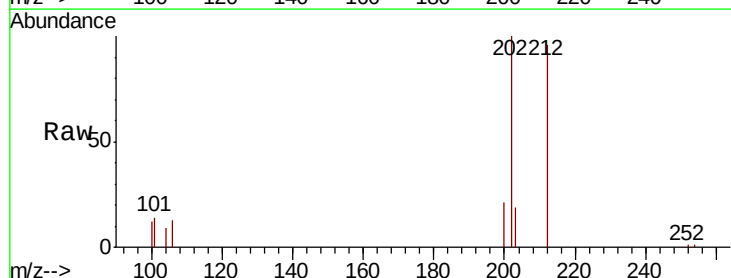
Tgt Ion:202 Resp: 14477

Ion Ratio Lower Upper

202 100

101 14.1 11.2 16.8

100 11.9 9.0 13.4

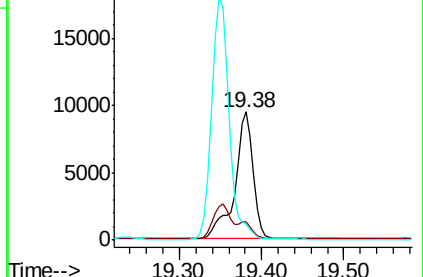
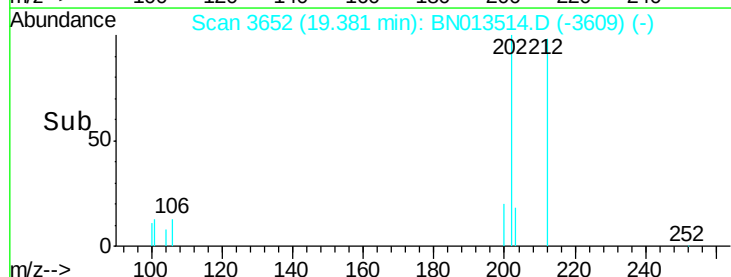


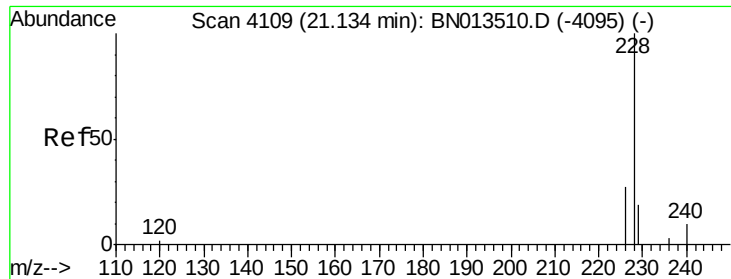
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

Time-->





#18

Benzo(a)anthracene

Concen: 0.035 ng/ul

RT: 21.14 min Scan# 4110

Delta R.T. 0.00 min

Lab File: BN013514.D

Acq: 27 Jan 2021 20:08

Instrument :

BNA_N

ClientSampleId :

F1C04

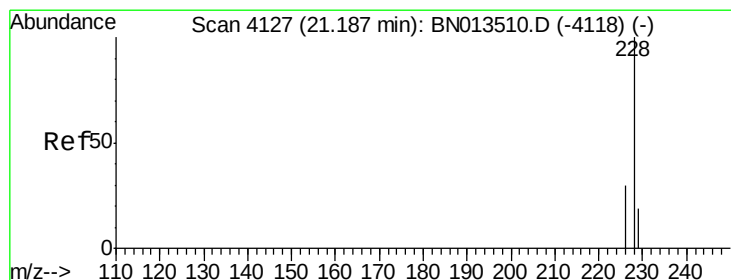
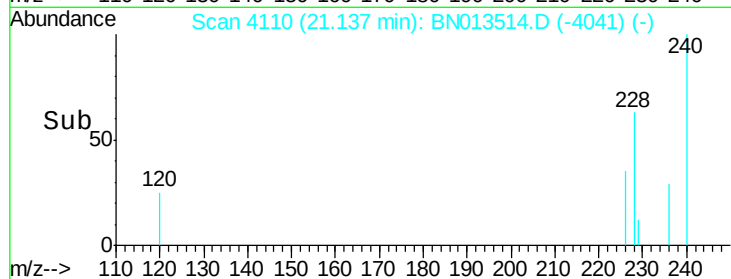
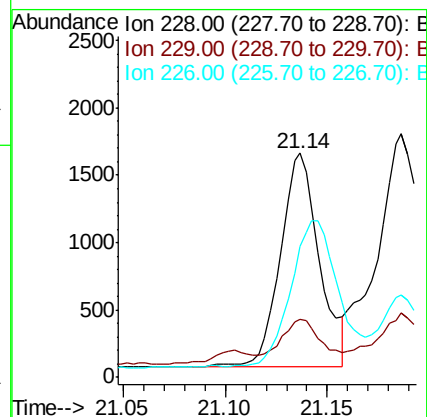
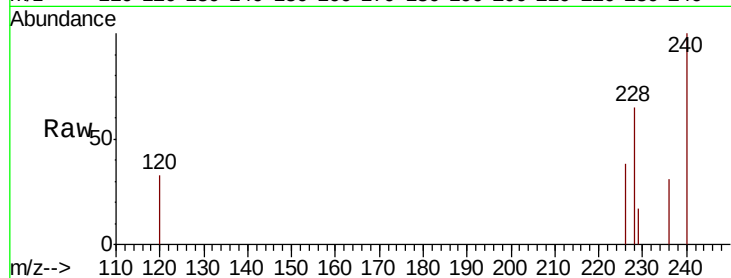
Tot Ion:228 Resp: 2094

Ion Ratio Lower Upper

228 100

229 25.9 15.6 23.4#

226 58.3 21.9 32.9#



#19

Chrysene

Concen: 0.035 ng/ul

RT: 21.19 min Scan# 4127

Delta R.T. 0.00 min

Lab File: BN013514.D

Acq: 27 Jan 2021 20:08

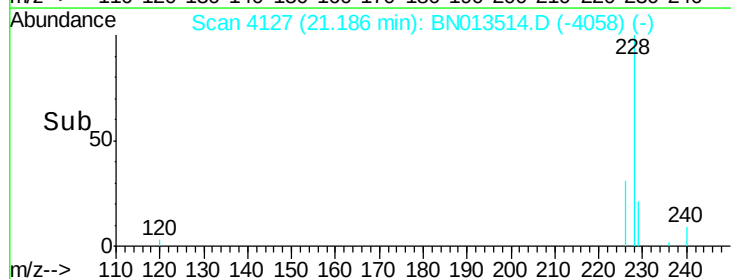
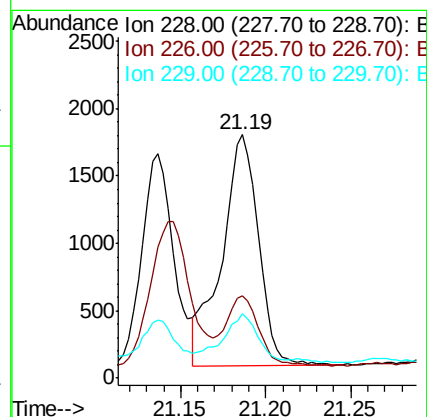
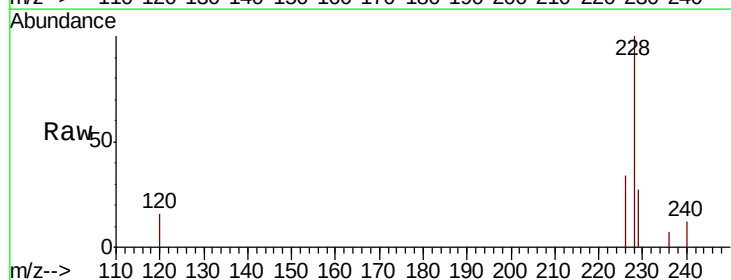
Tgt Ion:228 Resp: 2588

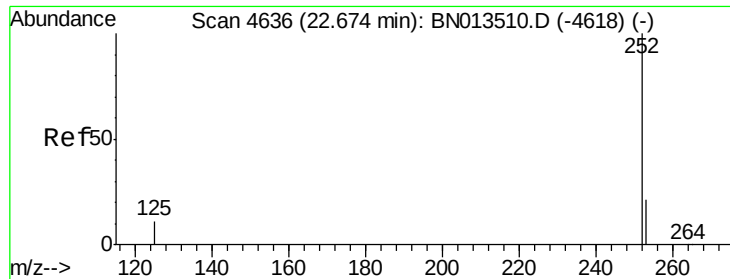
Ion Ratio Lower Upper

228 100

226 33.9 24.0 36.0

229 26.5 15.8 23.8#





#21

Benzo(b)fluoranthene

Concen: 0.088 ng/ul

RT: 22.68 min Scan# 4637

Delta R.T. 0.00 min

Lab File: BN013514.D

Acq: 27 Jan 2021 20:08

Instrument :

BNA_N

ClientSampleId :

F1C04

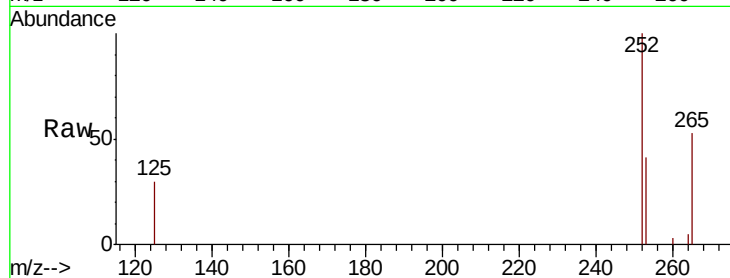
Tot Ion:252 Resp: 6678

Ion Ratio Lower Upper

252 100

253 40.6 0.0 47.4

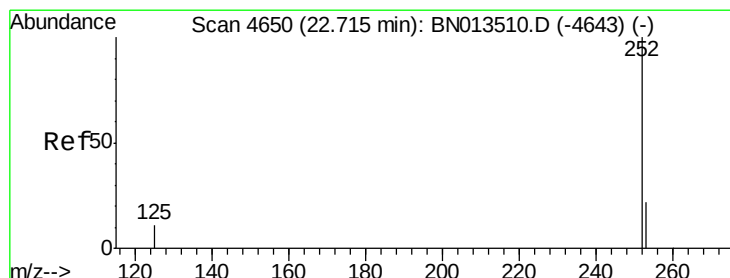
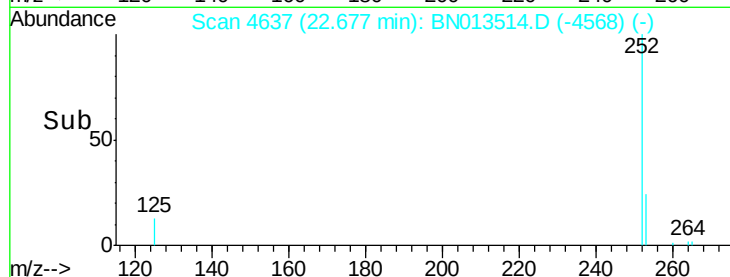
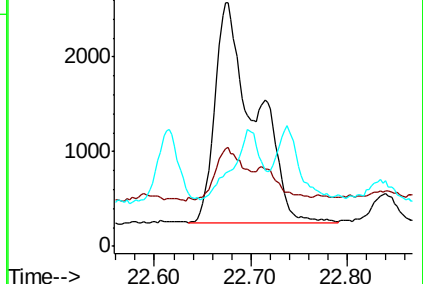
125 30.4 0.0 26.8#



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



#22

Benzo(k)fluoranthene

Concen: 0.083 ng/ul

RT: 22.68 min Scan# 4637

Delta R.T. -0.04 min

Lab File: BN013514.D

Acq: 27 Jan 2021 20:08

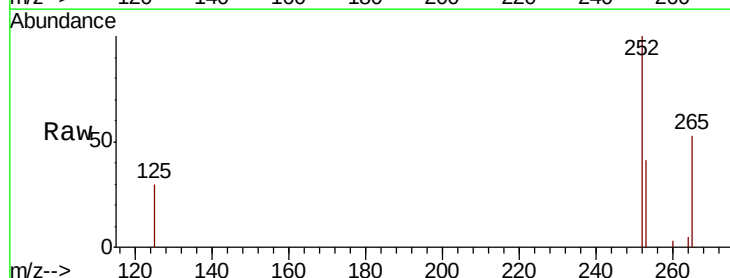
Tgt Ion:252 Resp: 6678

Ion Ratio Lower Upper

252 100

253 40.6 19.2 28.8#

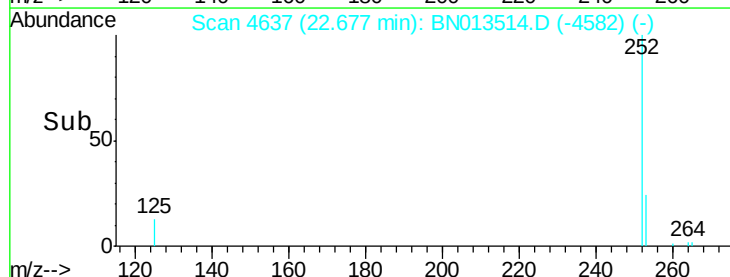
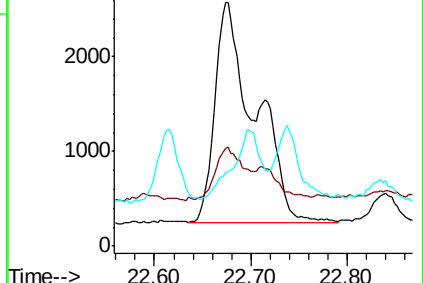
125 30.4 11.4 17.2#

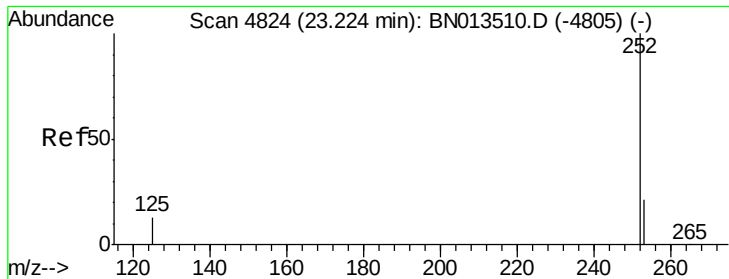


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.043 ng/ul

RT: 23.23 min Scan# 4826

Delta R.T. 0.00 min

Lab File: BN013514.D

Acq: 27 Jan 2021 20:08

Instrument :

BNA_N

ClientSampleId :

F1C04

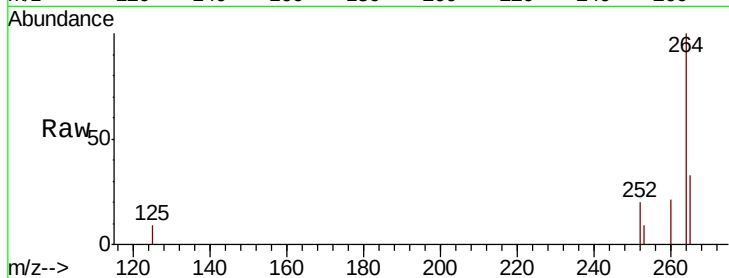
Tot Ion:252 Resp: 2755

Ion Ratio Lower Upper

252 100

253 45.0 20.1 30.1#

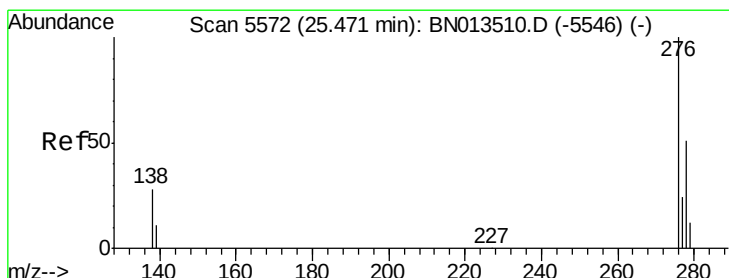
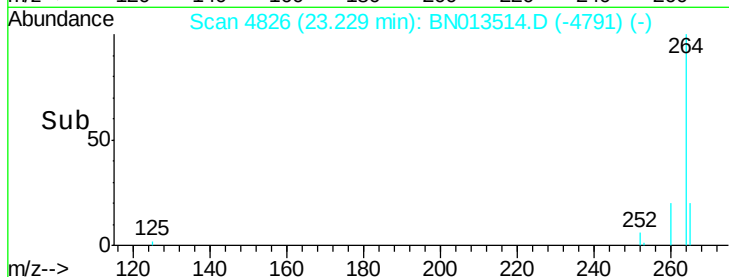
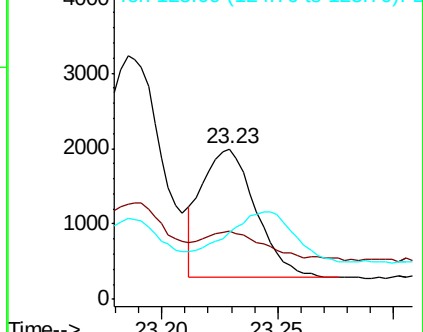
125 44.3 13.1 19.7#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.033 ng/ul

RT: 25.47 min Scan# 5572

Delta R.T. -0.01 min

Lab File: BN013514.D

Acq: 27 Jan 2021 20:08

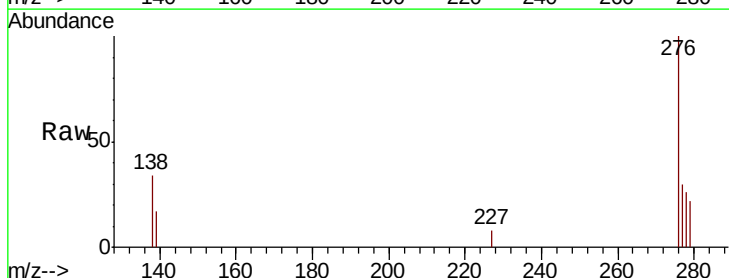
Tgt Ion:276 Resp: 2790

Ion Ratio Lower Upper

276 100

138 29.0 0.0 0.0#

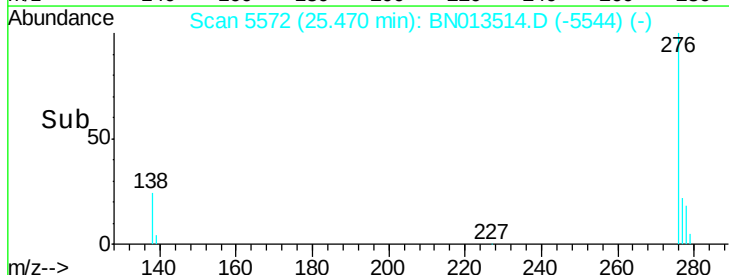
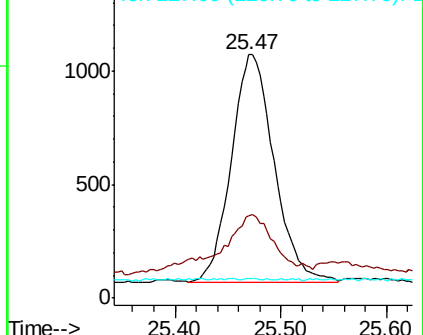
227 0.2 0.0 0.0#

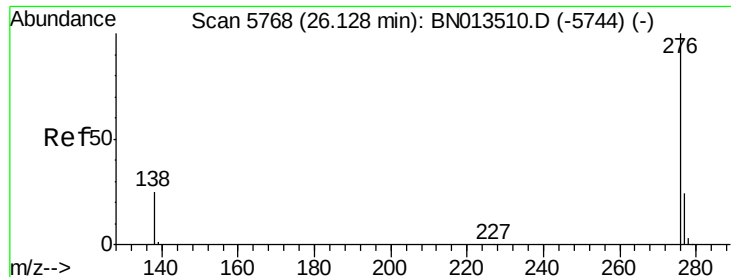


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#26

Benzo(a,h,i)perylene

Concen: 0.050 ng/ul

RT: 26.13 min Scan# 5768

Delta R.T. -0.00 min

Lab File: BN013514.D

Acq: 27 Jan 2021 20:08

Instrument :

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F1C04

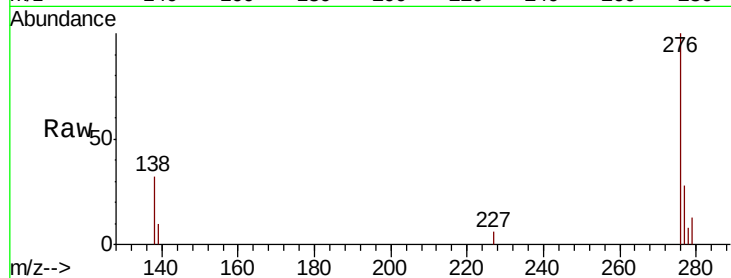
Tot Ion:276 Resp: 3736

Ion Ratio Lower Upper

276 100

138 31.8 21.0 31.4#

277 28.2 19.5 29.3



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

