

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012282.D
 Acq On : 17 Oct 2020 00:18
 Operator : CG/JU
 Sample : L4201-17DL 5X
 Misc :
 ALS Vial : 94 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 C0AK3DL

Quant Time: Oct 17 03:21:38 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN101420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 16 23:42:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	2079	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	8771	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	4930	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.00	188	9824	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	7904	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	7990	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	394	0.03	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	824	0.03	ng/ul	0.00

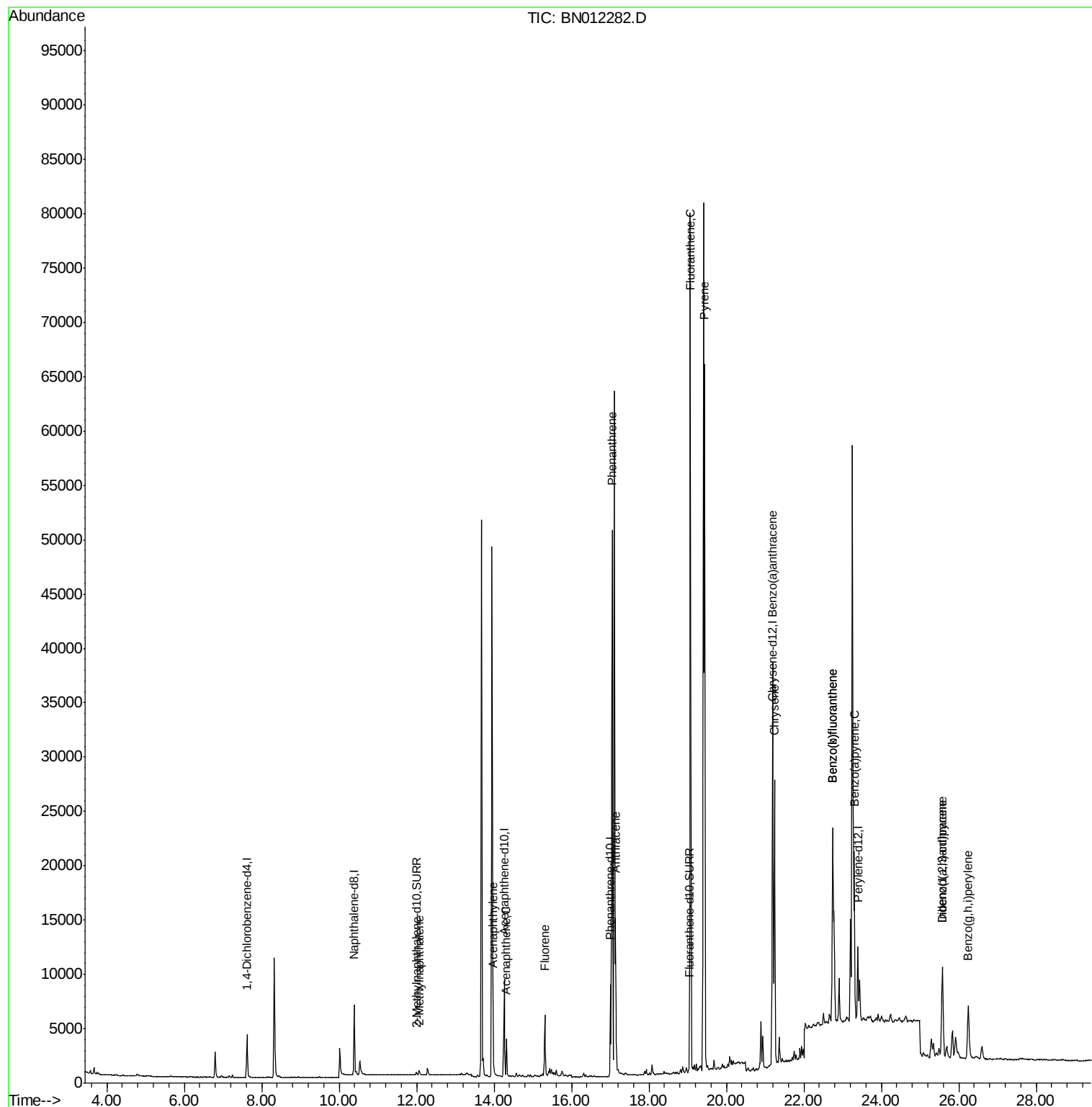
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) 2-Methylnaphthalene	12.06	142	417	0.026	ng/ul	94
7) Acenaphthylene	13.98	152	1190	0.056	ng/ul#	86
8) Acenaphthene	14.32	153	1983	0.110	ng/ul	98
9) Fluorene	15.31	166	3676	0.183	ng/ul	98
12) Phenanthrene	17.05	178	51249	1.637	ng/ul	98
13) Anthracene	17.14	178	14989	0.558	ng/ul	99
15) Fluoranthene	19.07	202	67686	1.848	ng/ul	97
17) Pyrene	19.44	202	53492	1.501	ng/ul	100
18) Benzo(a)anthracene	21.19	228	29287	1.000	ng/ul	98
19) Chrysene	21.24	228	24838	0.696	ng/ul	98
21) Benzo(b)fluoranthene	22.74	252	40109	1.243	ng/ul	96
22) Benzo(k)fluoranthene	22.74	252	40109	1.123	ng/ul#	94
23) Benzo(a)pyrene	23.30	252	20087	0.640	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.58	276	12673	0.314	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.58	278	3729	0.116	ng/ul#	58
26) Benzo(a,h,i)perylene	26.25	276	9844	0.266	ng/ul#	92

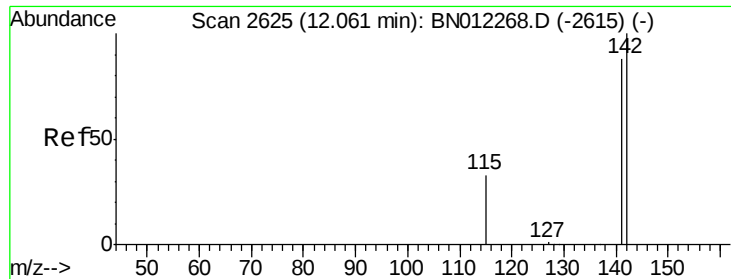
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 16 23:42:05 2020
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#5

2-Methylnaphthalene

Concen: 0.026 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.00 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

Instrument :

BNA_N

ClientSampled :

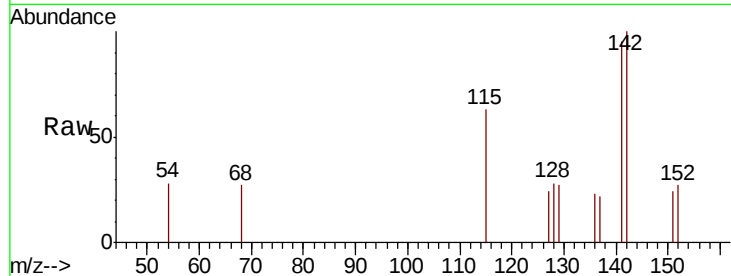
C0AK3DL

Tot Ion:142 Resp: 417

Ion Ratio Lower Upper

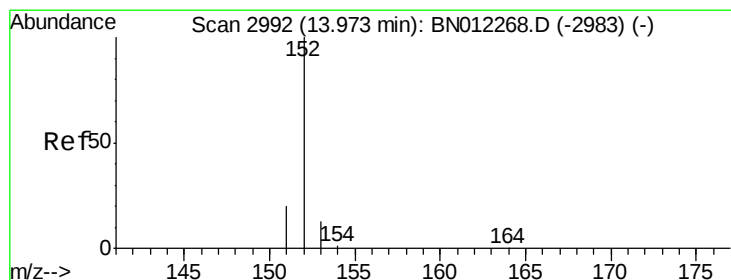
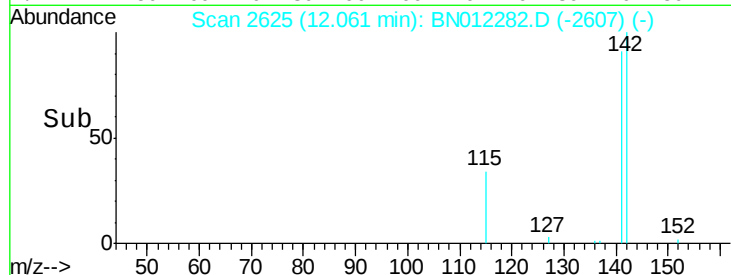
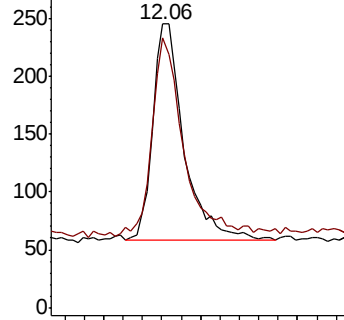
142 100

141 95.4 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#7

Acenaphthylene

Concen: 0.056 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

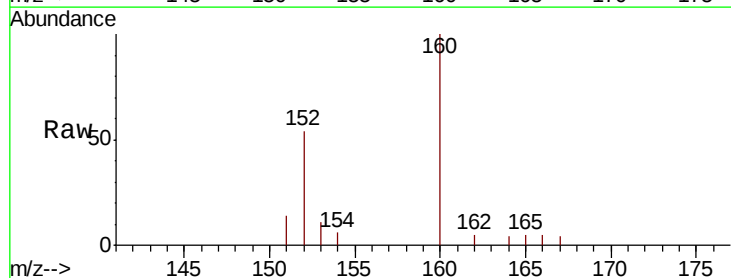
Tgt Ion:152 Resp: 1190

Ion Ratio Lower Upper

152 100

151 26.6 16.7 25.1#

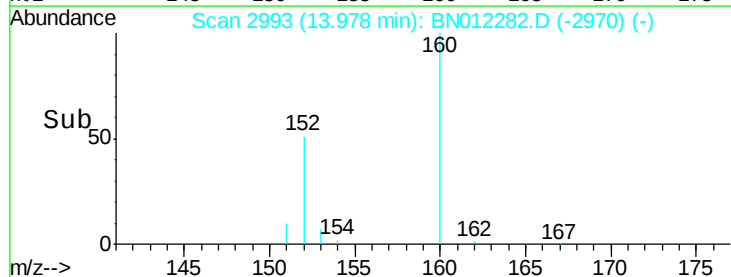
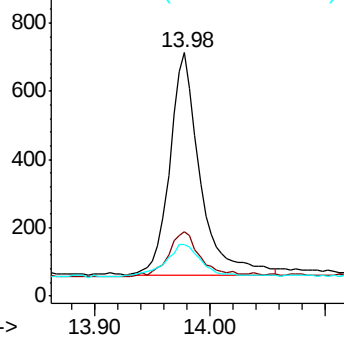
153 21.3 11.8 17.8#

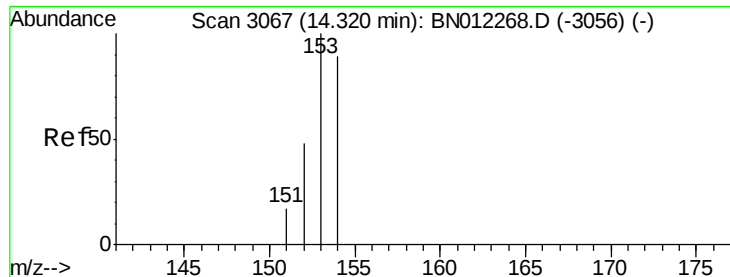


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#8

Acenaphthene

Concen: 0.110 ng/ul

RT: 14.32 min Scan# 3067

Delta R.T. -0.00 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

Instrument :

BNA_N

ClientSampleId :

C0AK3DL

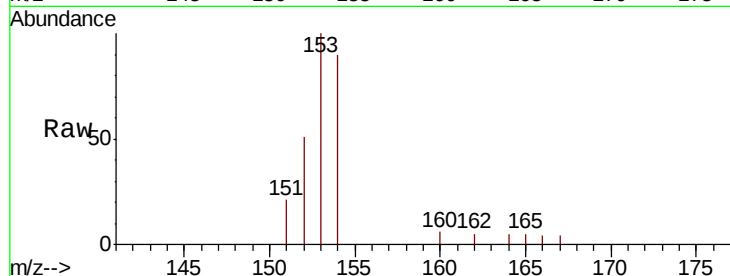
Tot Ion:153 Resp: 1983

Ion Ratio Lower Upper

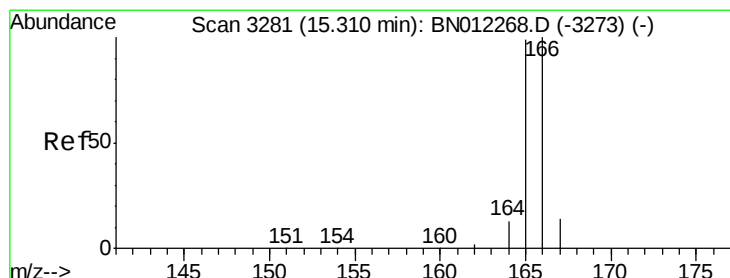
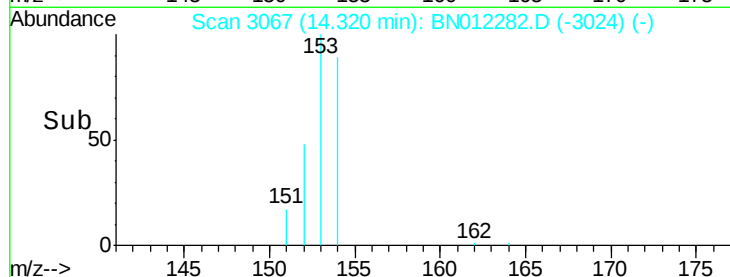
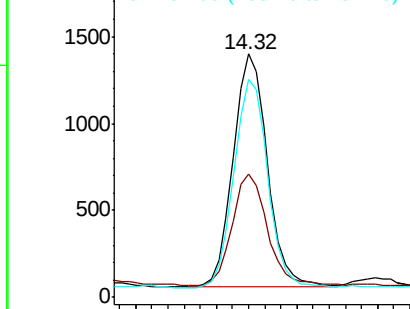
153 100

152 50.7 38.2 57.2

154 89.7 71.1 106.7



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: 0.183 ng/ul

RT: 15.31 min Scan# 3282

Delta R.T. 0.00 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

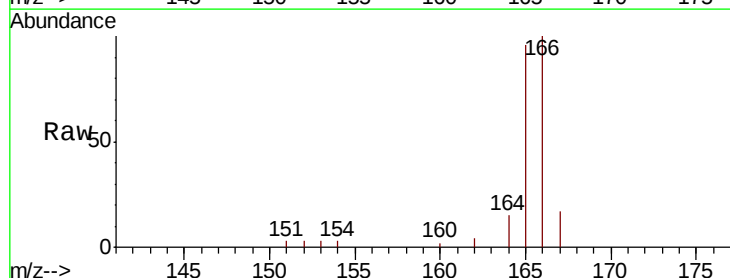
Tgt Ion:166 Resp: 3676

Ion Ratio Lower Upper

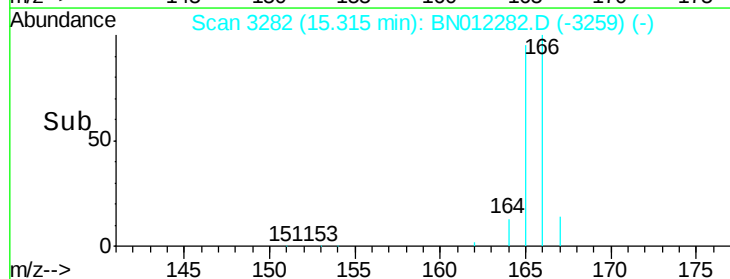
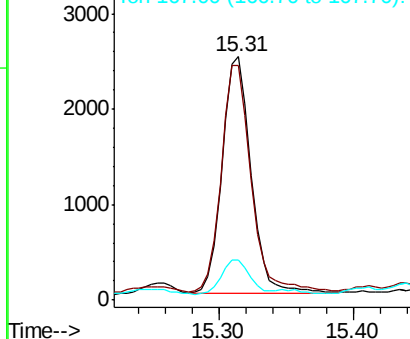
166 100

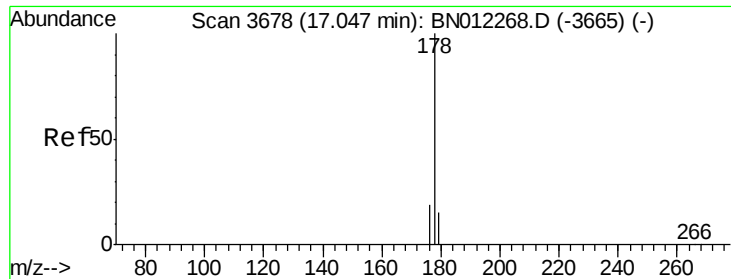
165 96.1 78.6 118.0

167 16.7 11.9 17.9



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





#12

Phenanthrene

Concen: 1.637 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

Instrument :

BNA_N

ClientSampleId :

C0AK3DL

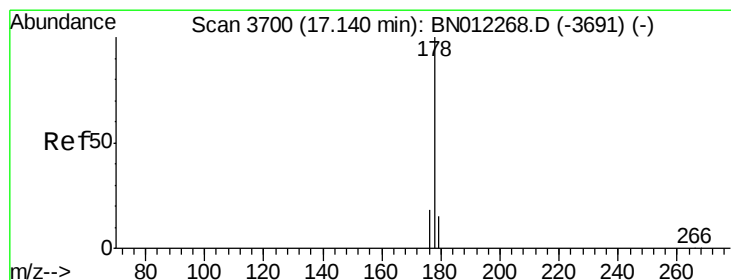
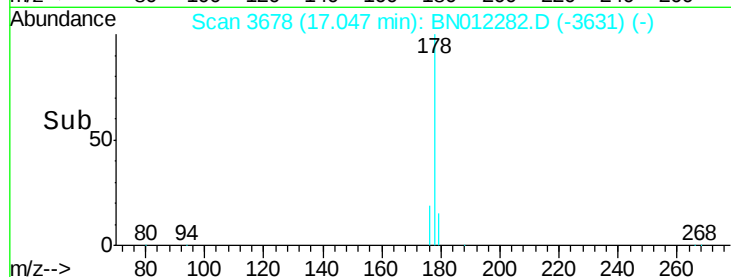
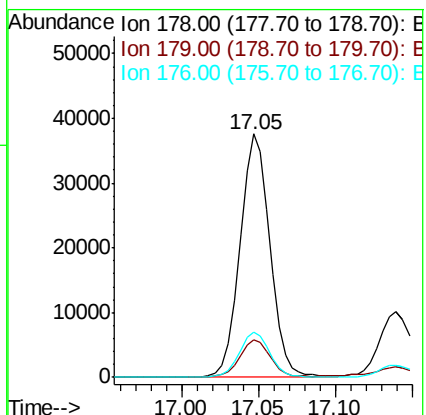
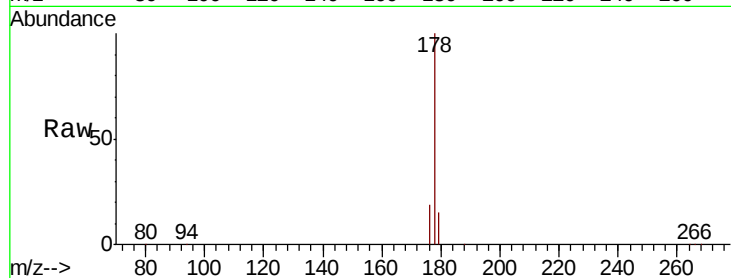
Tot Ion:178 Resp: 51249

Ion Ratio Lower Upper

178 100

179 15.4 13.4 20.2

176 18.8 15.7 23.5



#13

Anthracene

Concen: 0.558 ng/ul

RT: 17.14 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

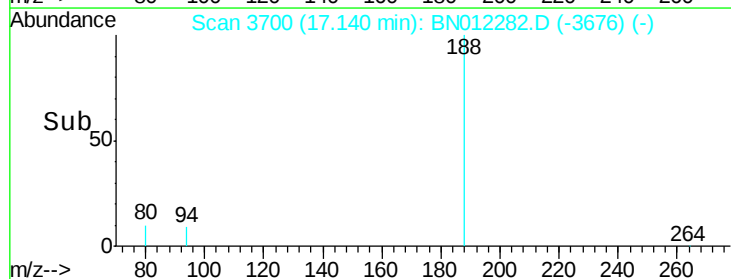
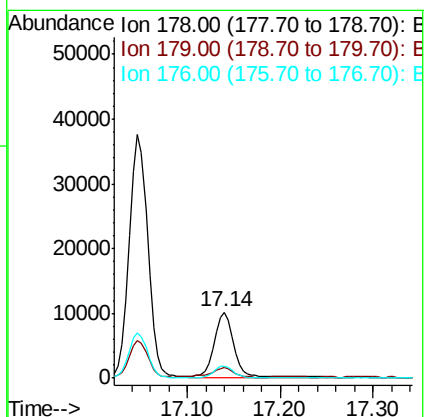
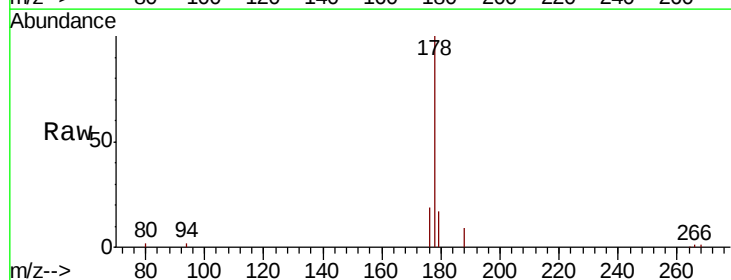
Tgt Ion:178 Resp: 14989

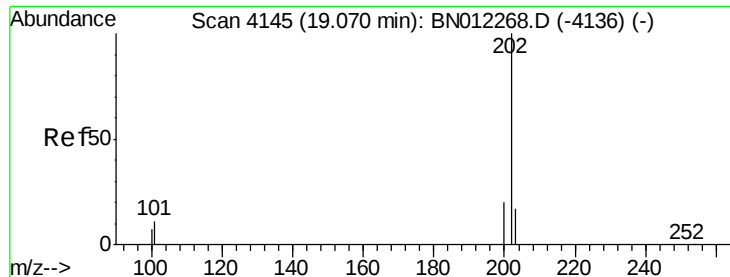
Ion Ratio Lower Upper

178 100

179 16.7 13.9 20.9

176 18.6 15.4 23.0





#15

Fluoranthene

Concen: 1.848 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. 0.00 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

Instrument :

BNA_N

ClientSampleId :

C0AK3DL

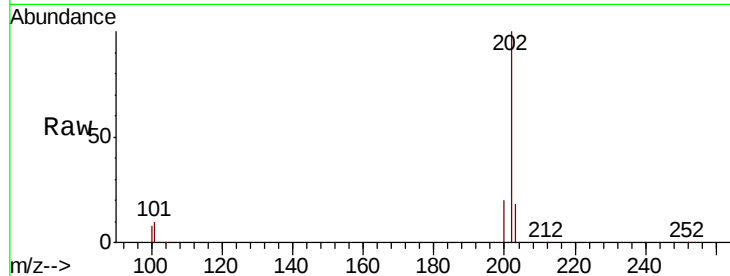
Tot Ion:202 Resp: 67686

Ion Ratio Lower Upper

202 100

101 10.3 0.0 31.0

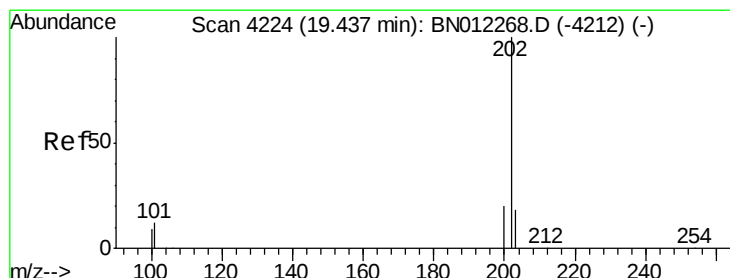
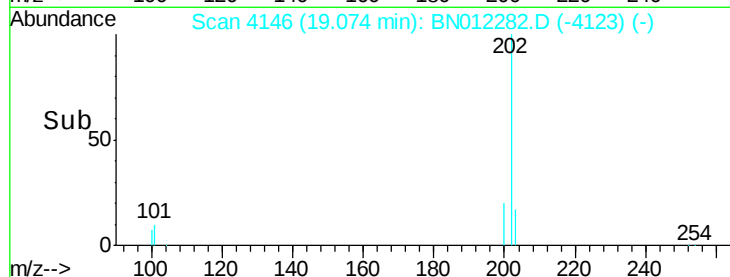
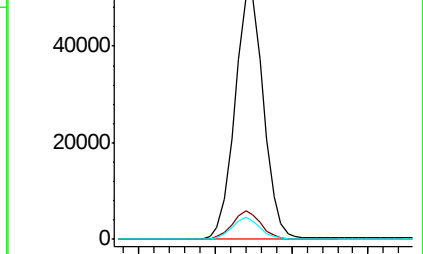
100 7.5 0.0 28.7



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: 1.501 ng/ul

RT: 19.44 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

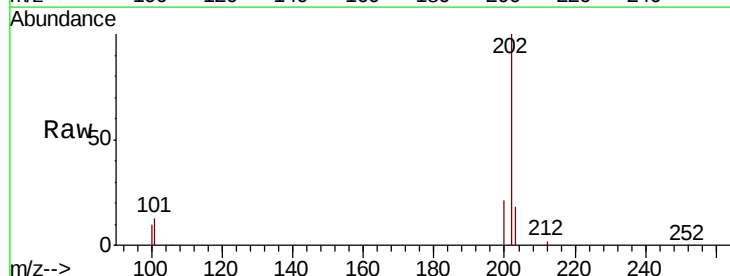
Tgt Ion:202 Resp: 53492

Ion Ratio Lower Upper

202 100

101 12.5 9.9 14.9

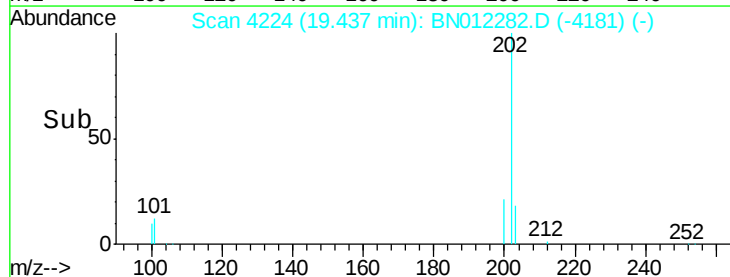
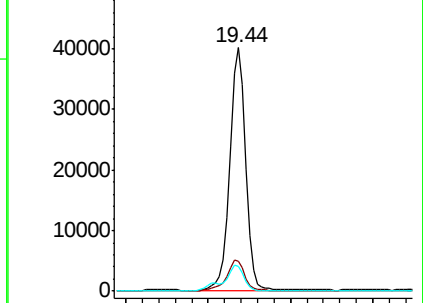
100 10.2 8.0 12.0

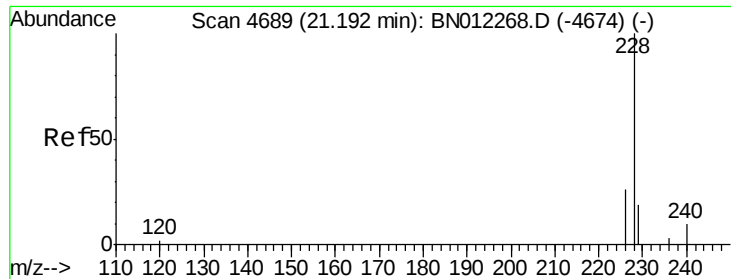


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 1.000 ng/ul

RT: 21.19 min Scan# 4689

Delta R.T. -0.00 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

Instrument :

BNA_N

ClientSampleId :

C0AK3DL

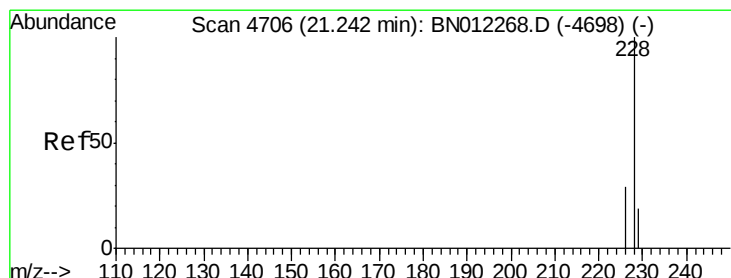
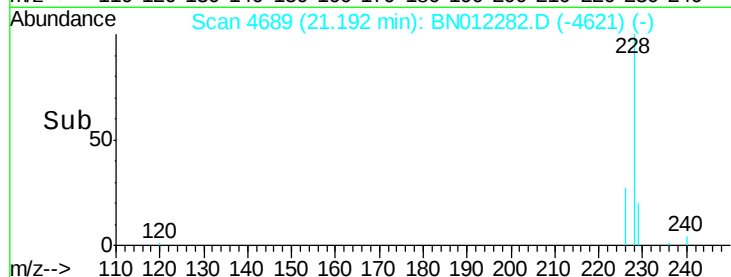
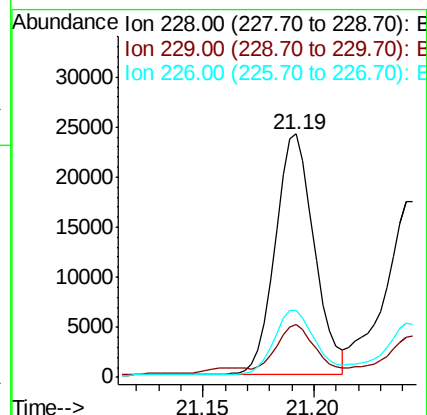
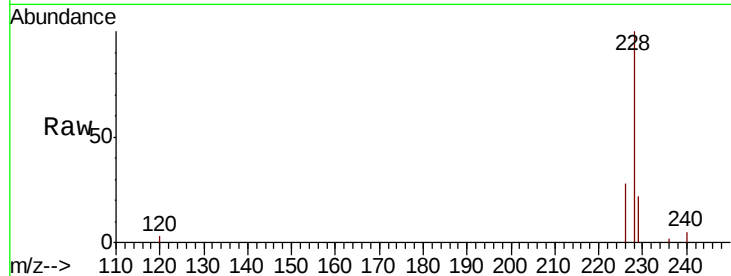
Tot Ion:228 Resp: 29287

Ion Ratio Lower Upper

228 100

229 21.7 15.8 23.8

226 27.7 22.6 33.8



#19

Chrysene

Concen: 0.696 ng/ul

RT: 21.24 min Scan# 4707

Delta R.T. 0.00 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

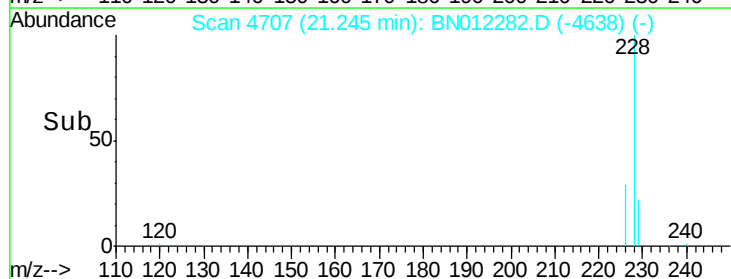
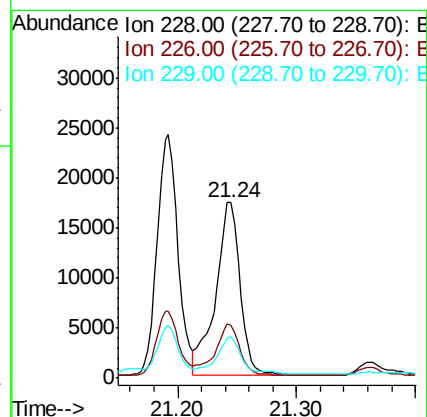
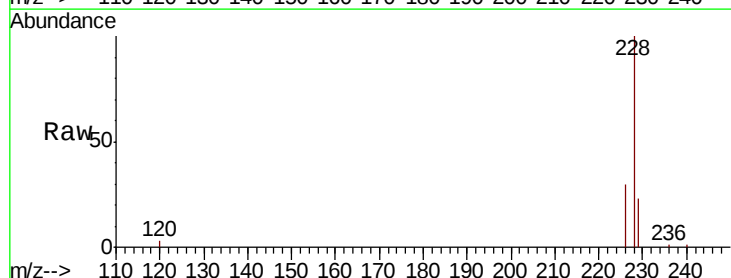
Tgt Ion:228 Resp: 24838

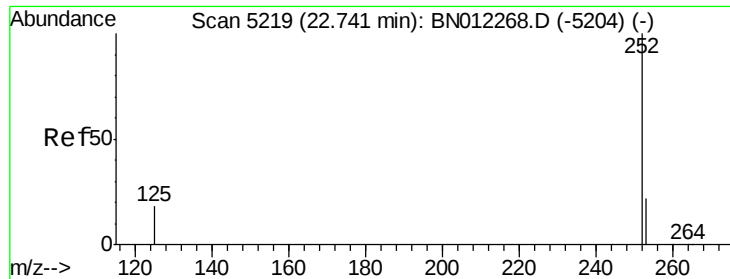
Ion Ratio Lower Upper

228 100

226 30.3 24.6 37.0

229 23.2 17.0 25.6





#21

Benzo(b)fluoranthene

Concen: 1.243 ng/ul

RT: 22.74 min Scan# 5220

Delta R.T. 0.00 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

Instrument :

BNA_N

ClientSampleId :

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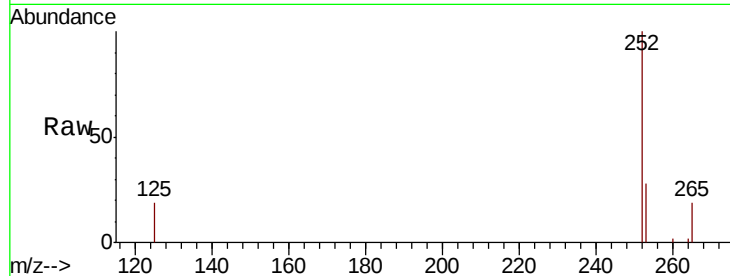
Tot Ion:252 Resp: 40109

Ion Ratio Lower Upper

252 100

253 28.1 0.0 61.6

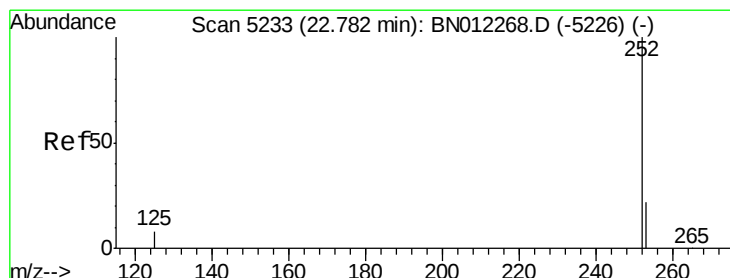
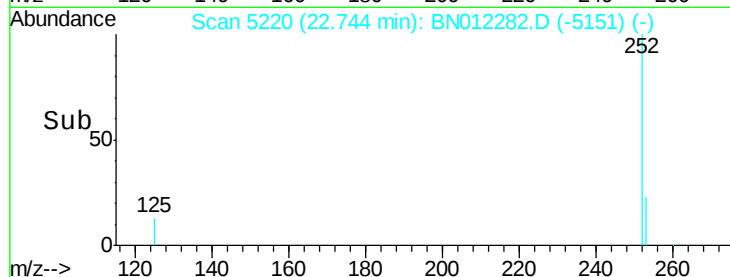
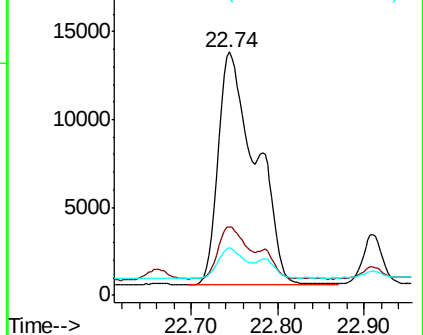
125 19.5 0.0 36.8



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: 1.123 ng/ul

RT: 22.74 min Scan# 5220

Delta R.T. -0.04 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

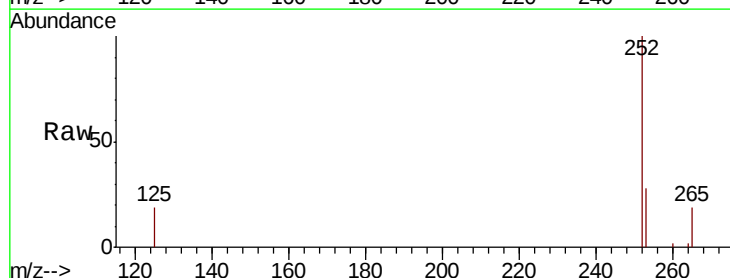
Tgt Ion:252 Resp: 40109

Ion Ratio Lower Upper

252 100

253 28.1 24.4 36.6

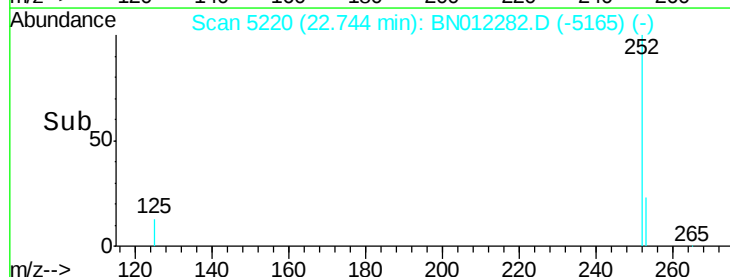
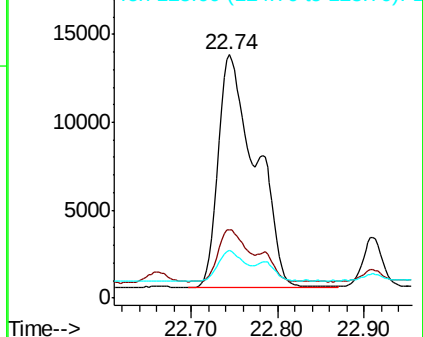
125 19.5 12.9 19.3#

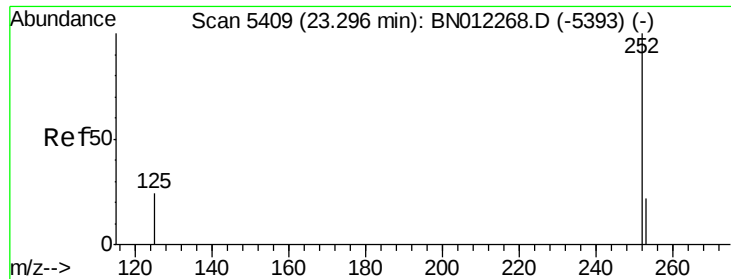


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.640 ng/u1

RT: 23.30 min Scan# 5410

Delta R.T. 0.00 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

Instrument :

BNA_N

ClientSampleId :

C0AK3DL

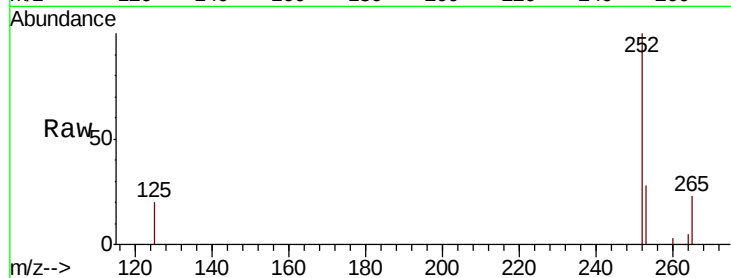
Tot Ion:252 Resp: 20087

Ion Ratio Lower Upper

252 100

253 28.3 27.0 40.4

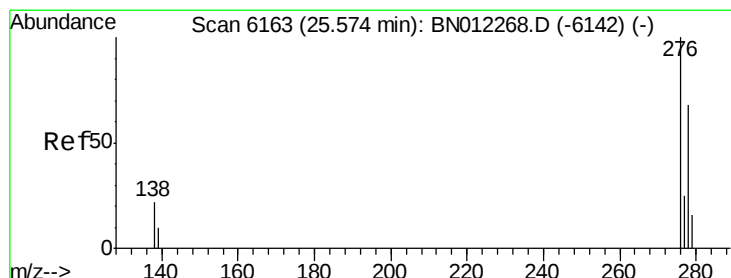
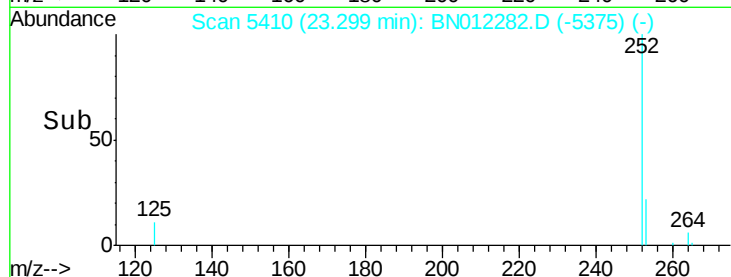
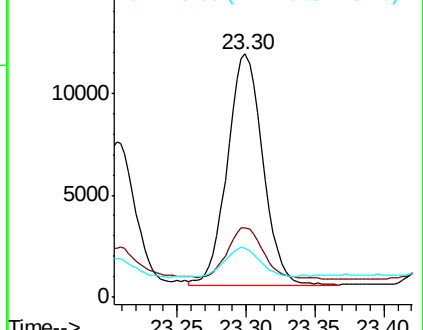
125 20.1 18.8 28.2



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: 0.314 ng/u1

RT: 25.58 min Scan# 6164

Delta R.T. 0.00 min

Lab File: BN012282.D

Acq: 17 Oct 2020 00:18

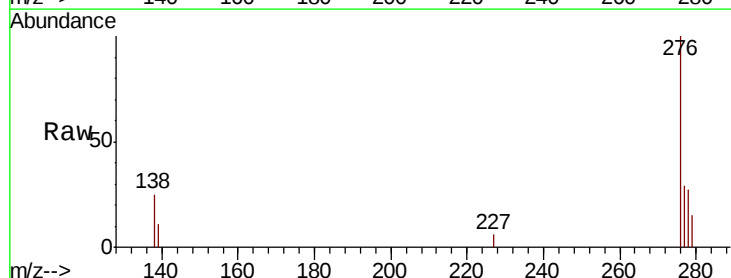
Tgt Ion:276 Resp: 12673

Ion Ratio Lower Upper

276 100

138 20.2 0.0 0.0#

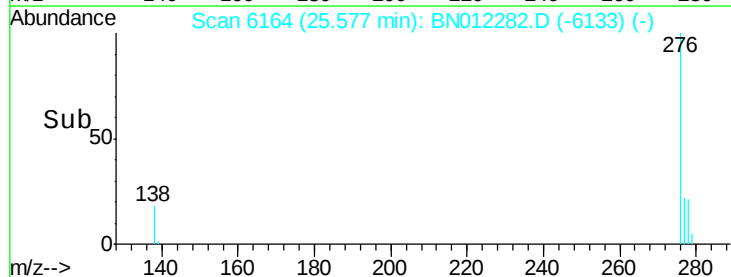
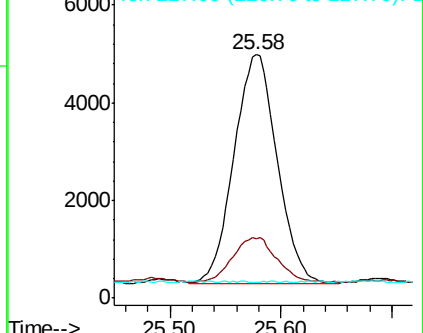
227 0.0 0.0 0.0

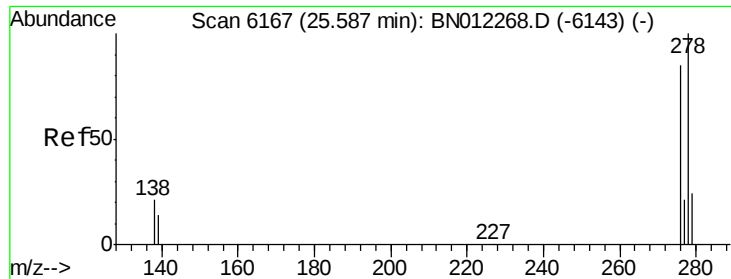


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

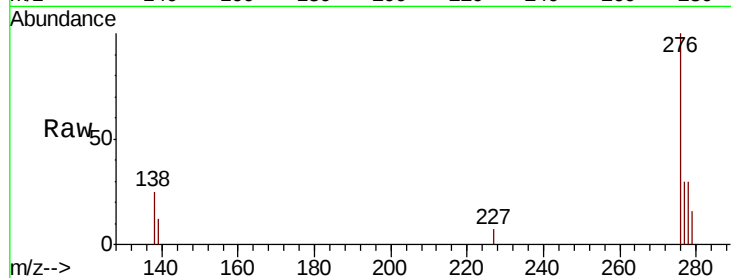




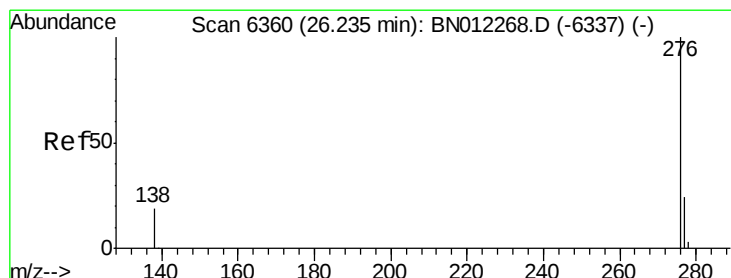
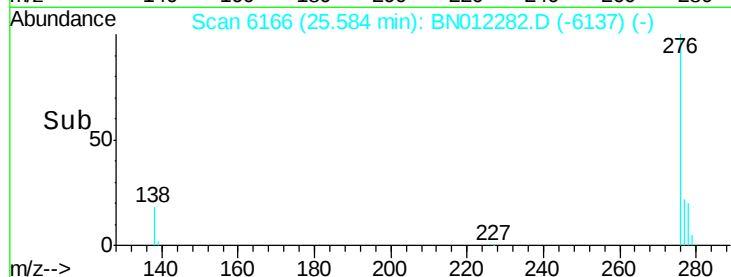
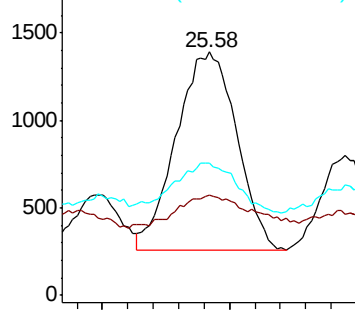
#25
Dibenzo(a,h)anthracene
Concen: 0.116 ng/ul
RT: 25.58 min Scan# 6166
Delta R.T. -0.00 min
Lab File: BN012282.D
Acq: 17 Oct 2020 00:18

Instrument :
BNA_N
ClientSampleId :
C0AK3DL

Tot Ion:278 Resp: 3729
Ion Ratio Lower Upper
278 100
139 41.1 15.7 23.5#
279 54.4 26.0 39.0#

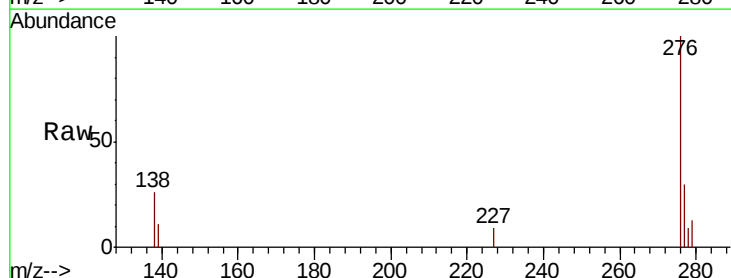


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.266 ng/ul
RT: 26.25 min Scan# 6364
Delta R.T. 0.01 min
Lab File: BN012282.D
Acq: 17 Oct 2020 00:18

Tgt Ion:276 Resp: 9844
Ion Ratio Lower Upper
276 100
138 26.1 17.1 25.7#
277 30.1 21.1 31.7



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

