

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012280.D
 Acq On : 16 Oct 2020 23:05
 Operator : CG/JU
 Sample : L4201-11DL 5X
 Misc :
 ALS Vial : 92 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 16 23:50:45 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

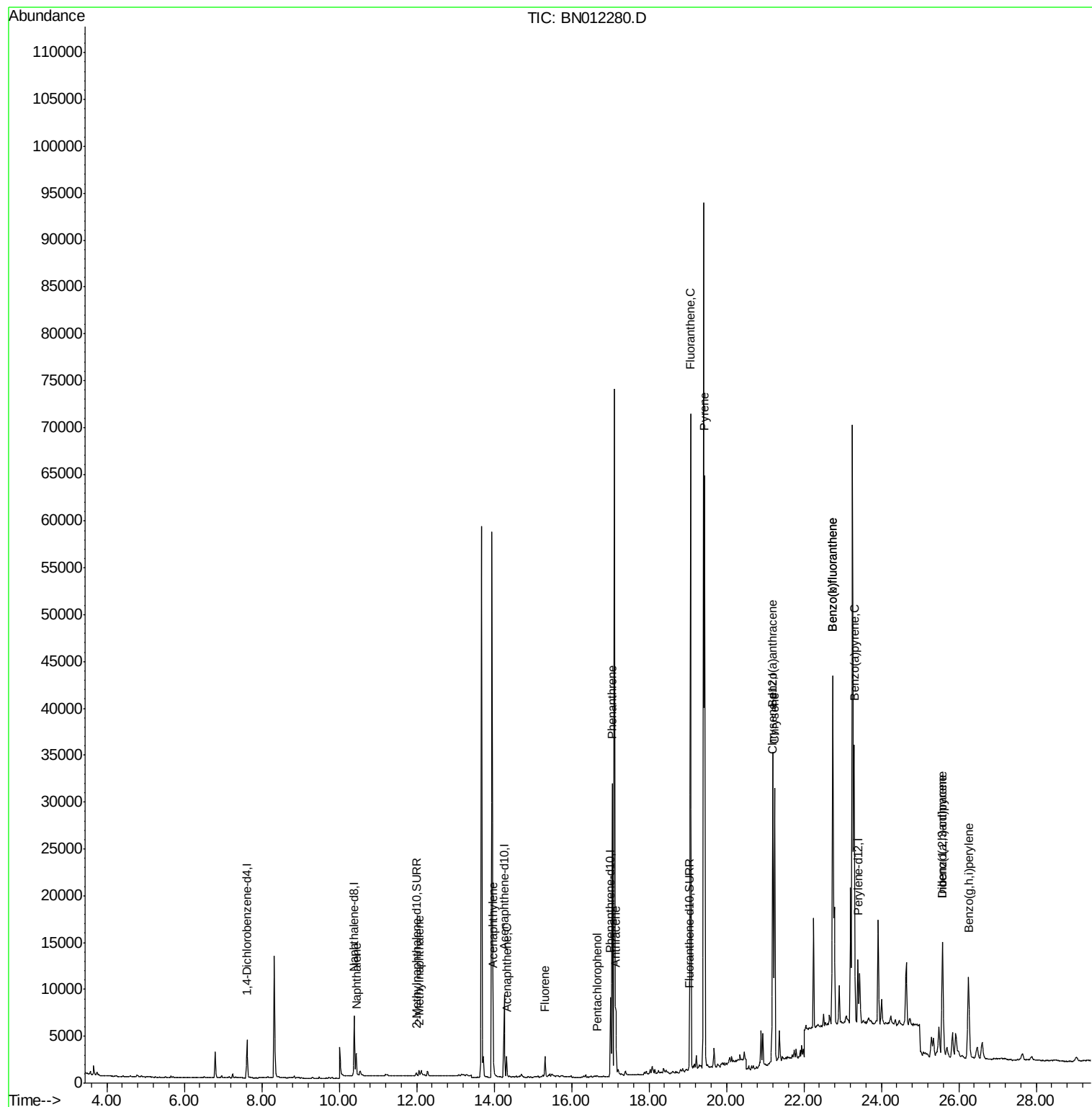
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	2056	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	8683	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	4890	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	9819	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	7877	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	7985	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	498	0.04	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	974	0.04	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	3184	0.127	ng/ul	98
5) 2-Methylnaphthalene	12.06	142	511	0.032	ng/ul	94
7) Acenaphthylene	13.98	152	2070	0.098	ng/ul	94
8) Acenaphthene	14.32	153	1264	0.070	ng/ul	97
9) Fluorene	15.31	166	1476	0.074	ng/ul#	97
11) Pentachlorophenol	16.66	266	109	0.038	ng/ul#	88
12) Phenanthrene	17.05	178	31943	1.021	ng/ul	98
13) Anthracene	17.14	178	6145	0.229	ng/ul	99
15) Fluoranthene	19.07	202	59831	1.635	ng/ul	98
17) Pyrene	19.44	202	51634	1.454	ng/ul	99
18) Benzo(a)anthracene	21.19	228	27184	0.932	ng/ul	98
19) Chrysene	21.24	228	27896	0.785	ng/ul	97
21) Benzo(b)fluoranthene	22.74	252	51482	1.596	ng/ul#	50
22) Benzo(k)fluoranthene	22.74	252	51482	1.442	ng/ul#	50
23) Benzo(a)pyrene	23.30	252	25873	0.825	ng/ul#	57
24) Indeno(1,2,3-cd)pyrene	25.58	276	18707	0.464	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.58	278	4966	0.154	ng/ul#	62
26) Benzo(g,h,i)perylene	26.25	276	17398	0.471	ng/ul	95

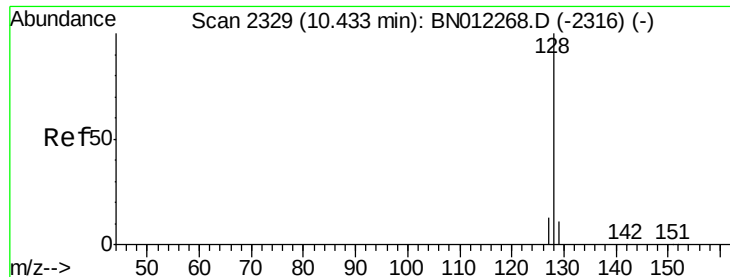
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.127 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. 0.01 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

Instrument :

BNA_N

ClientSampleId :

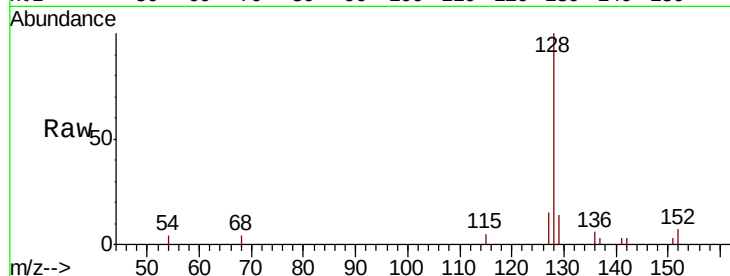
Tot Ion:128 Resp: 3184

Ion Ratio Lower Upper

128 100

129 14.0 10.3 15.5

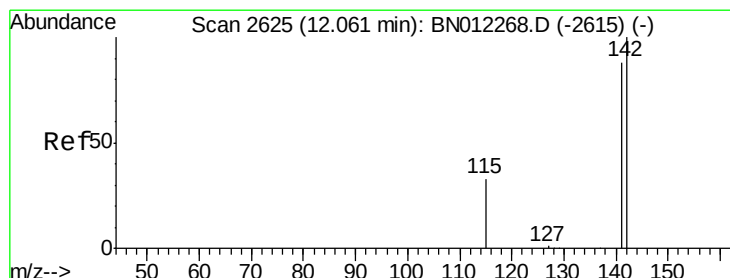
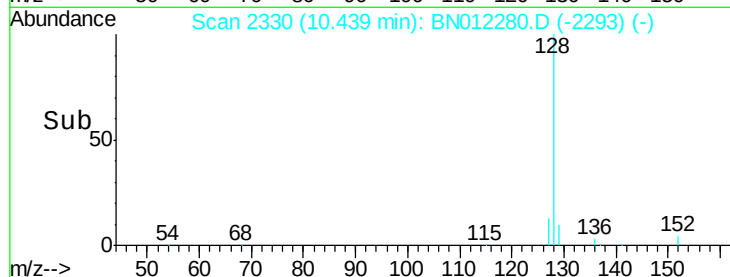
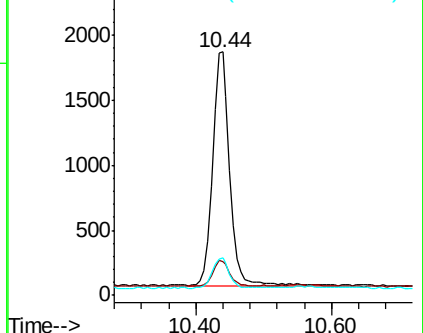
127 15.3 11.9 17.9



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: 0.032 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. 0.00 min

Lab File: BN012280.D

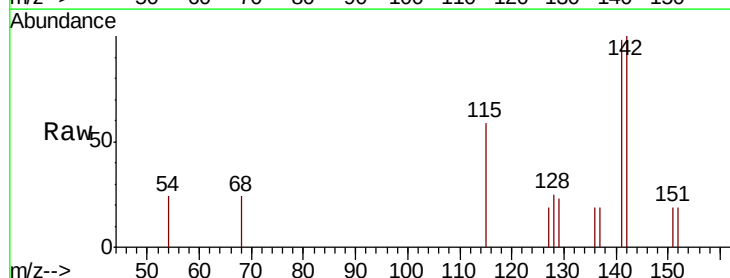
Acq: 16 Oct 2020 23:05

Tgt Ion:142 Resp: 511

Ion Ratio Lower Upper

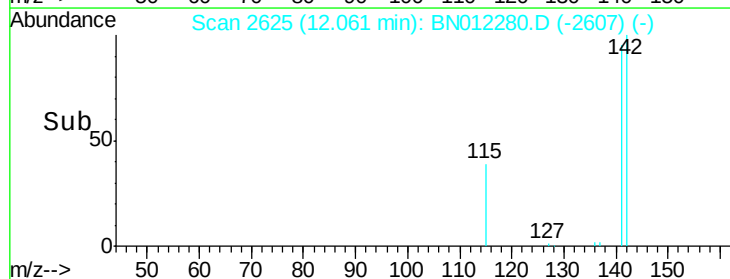
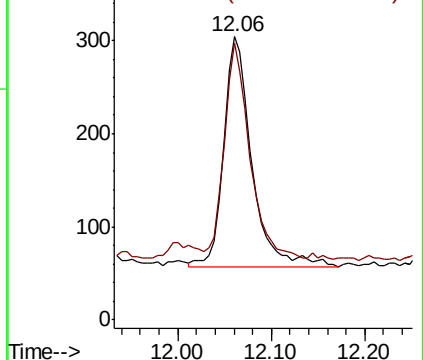
142 100

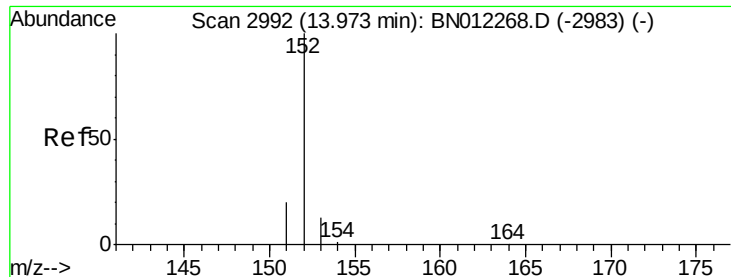
141 83.8 71.7 107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.098 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

Instrument :

BNA_N

ClientSampleId :

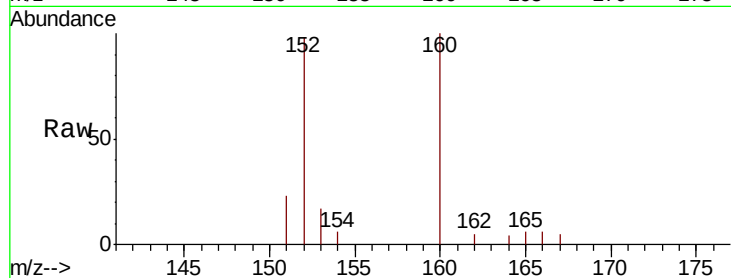
Tot Ion:152 Resp: 2070

Ion Ratio Lower Upper

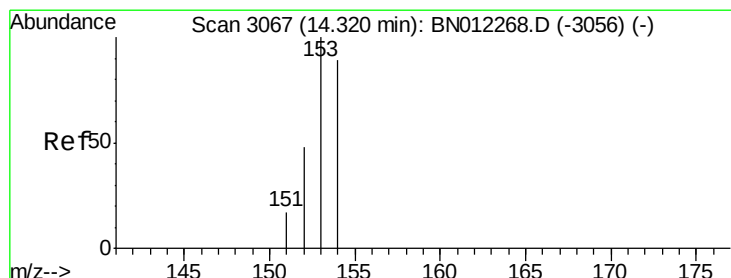
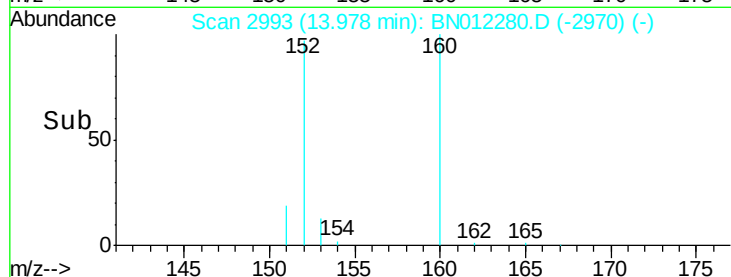
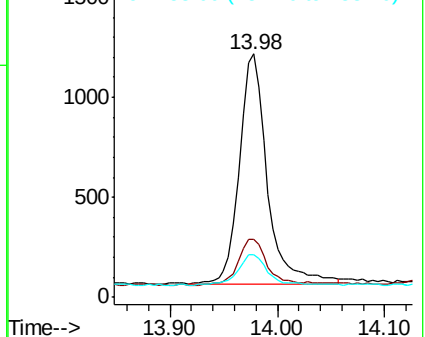
152 100

151 23.7 16.7 25.1

153 17.3 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: 0.070 ng/ul

RT: 14.32 min Scan# 3067

Delta R.T. 0.00 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

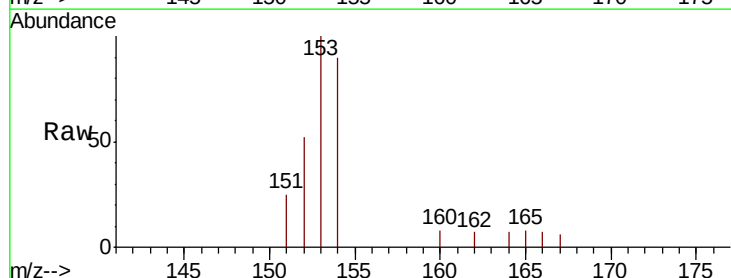
Tgt Ion:153 Resp: 1264

Ion Ratio Lower Upper

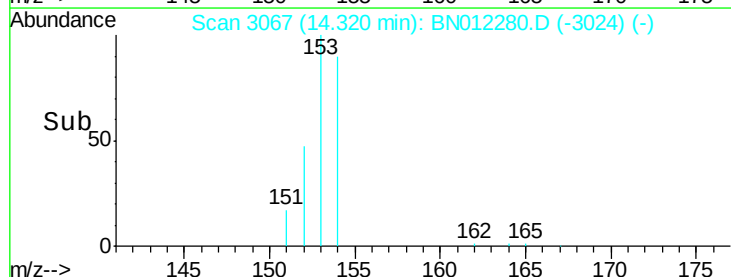
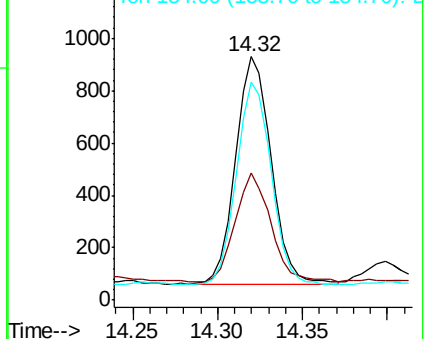
153 100

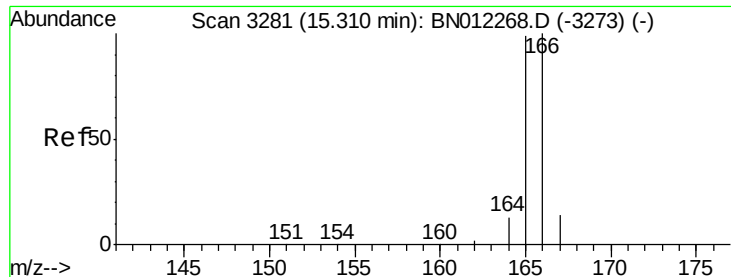
152 52.3 38.2 57.2

154 89.6 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: 0.074 ng/ul

RT: 15.31 min Scan# 3282

Delta R.T. 0.00 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

Instrument :

BNA_N

ClientSampleId :

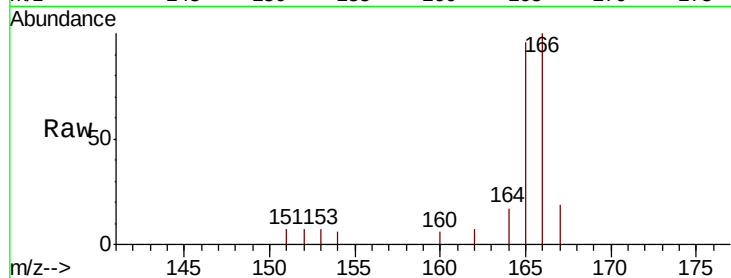
Tot Ion:166 Resp: 1476

Ion Ratio Lower Upper

166 100

165 96.0 78.6 118.0

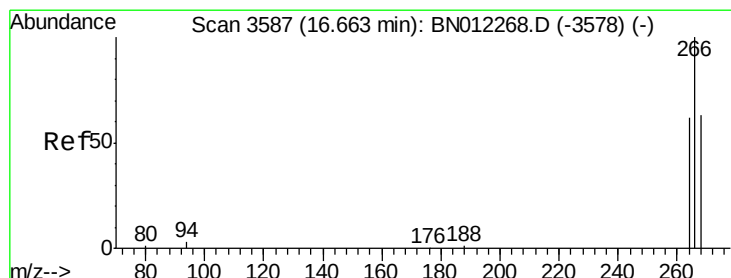
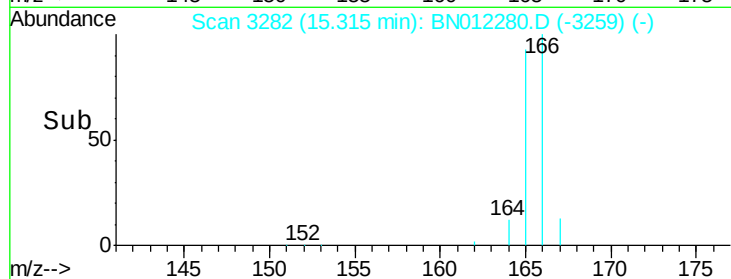
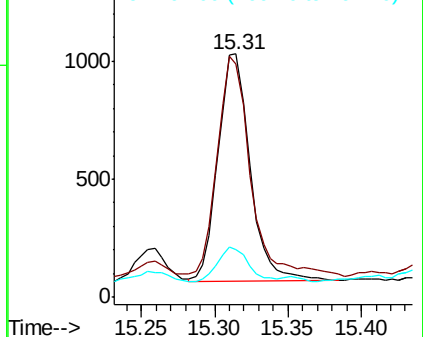
167 19.4 11.9 17.9#



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



#11

Pentachlorophenol

Concen: 0.038 ng/ul

RT: 16.66 min Scan# 3587

Delta R.T. 0.00 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

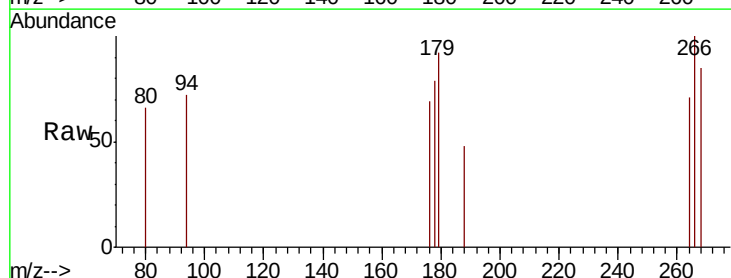
Tgt Ion:266 Resp: 109

Ion Ratio Lower Upper

266 100

264 66.1 50.3 75.5

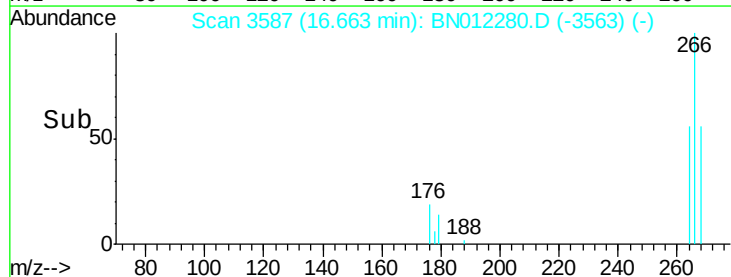
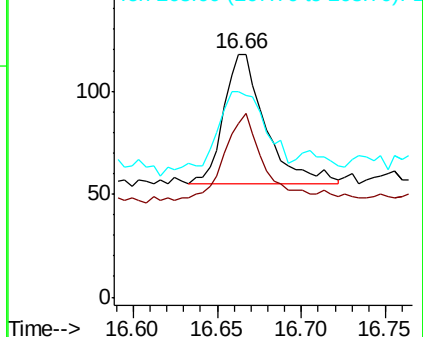
268 81.7 52.4 78.6#

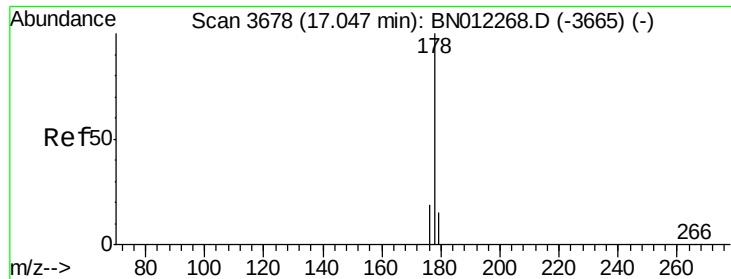


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.021 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. 0.00 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

Instrument :

BNA_N

ClientSampleId :

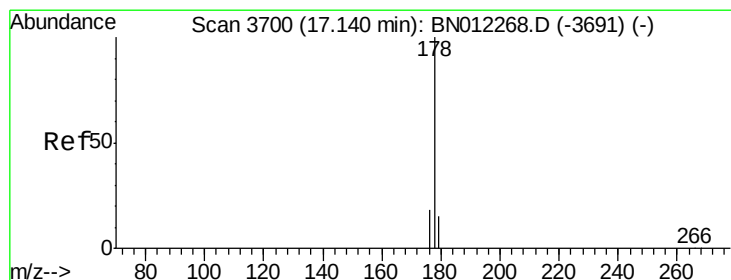
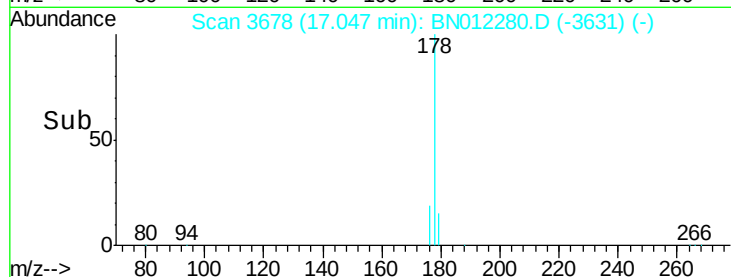
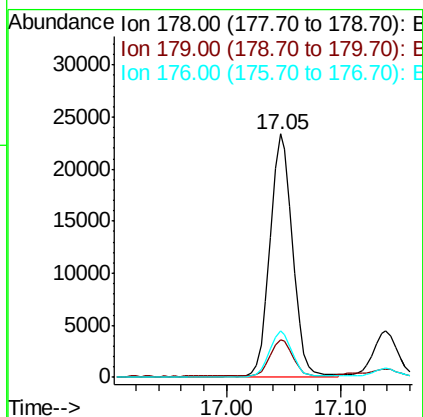
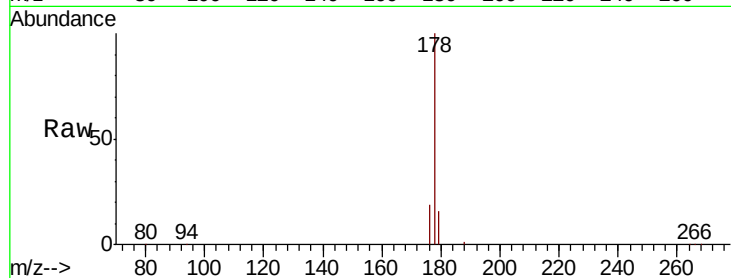
Tot Ion:178 Resp: 31943

Ion Ratio Lower Upper

178 100

179 15.6 13.4 20.2

176 19.0 15.7 23.5



#13

Anthracene

Concen: 0.229 ng/ul

RT: 17.14 min Scan# 3700

Delta R.T. 0.00 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

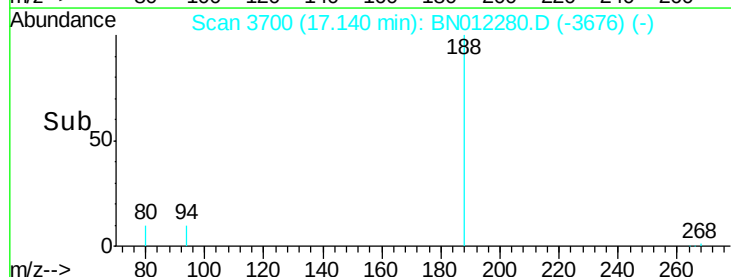
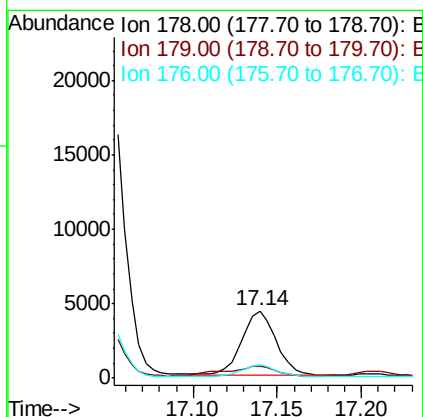
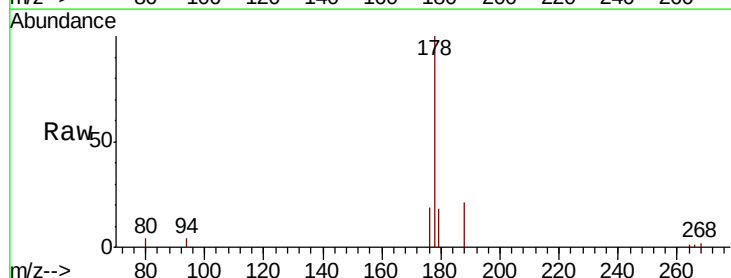
Tgt Ion:178 Resp: 6145

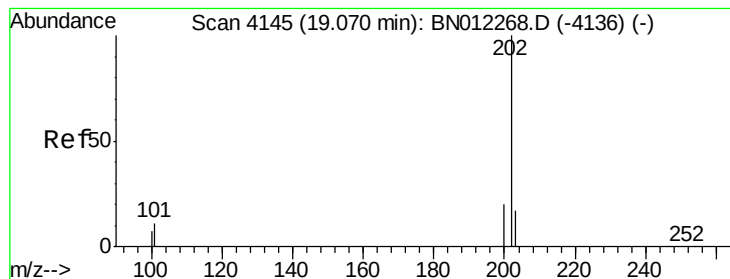
Ion Ratio Lower Upper

178 100

179 17.9 13.9 20.9

176 19.4 15.4 23.0





#15

Fluoranthene

Concen: 1.635 ng/ul

RT: 19.07 min Scan# 4146

Delta R.T. 0.00 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

Instrument :

BNA_N

ClientSampleId :

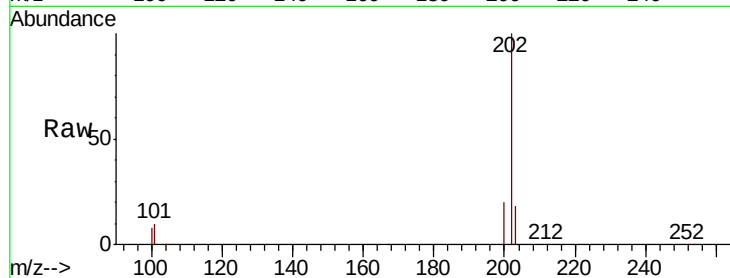
Tot Ion:202 Resp: 59831

Ion Ratio Lower Upper

202 100

101 10.4 0.0 31.0

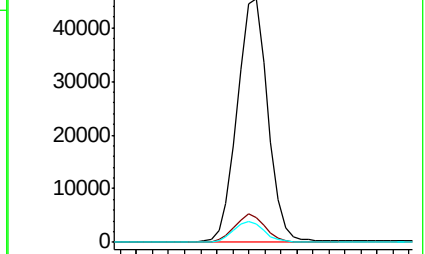
100 7.8 0.0 28.7



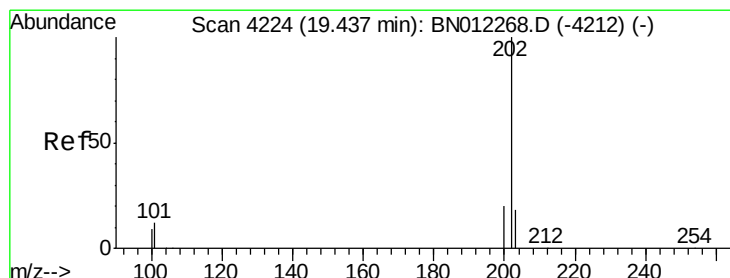
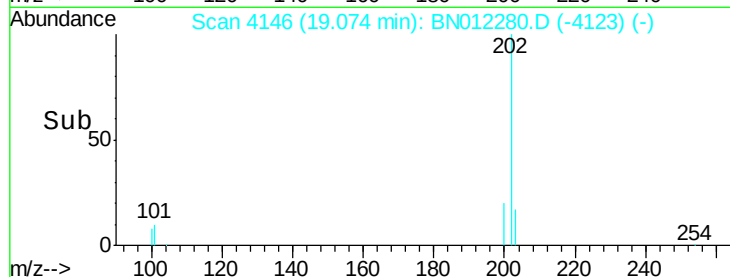
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#17

Pyrene

Concen: 1.454 ng/ul

RT: 19.44 min Scan# 4224

Delta R.T. 0.00 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

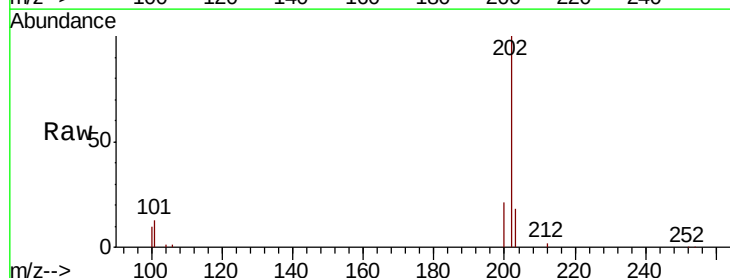
Tgt Ion:202 Resp: 51634

Ion Ratio Lower Upper

202 100

101 12.8 9.9 14.9

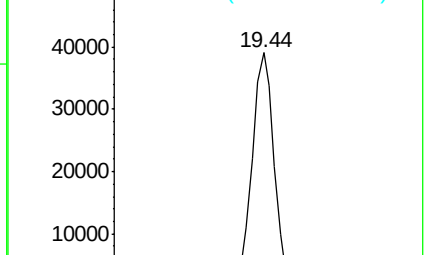
100 10.5 8.0 12.0



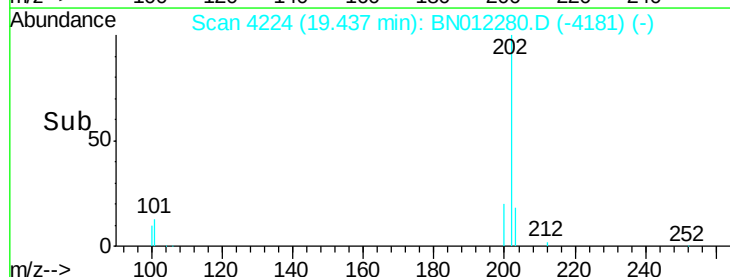
Abundance Ion 202.00 (201.70 to 202.70): E

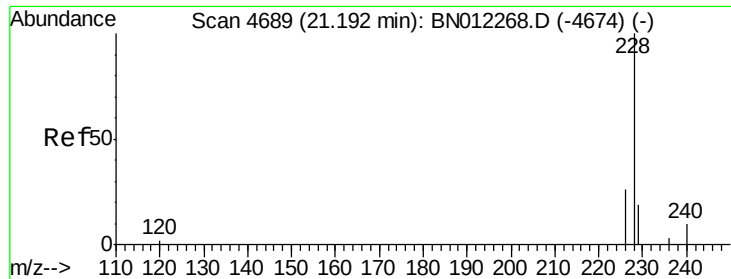
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#18

Benzo(a)anthracene

Concen: 0.932 ng/ul

RT: 21.19 min Scan# 4689

Delta R.T. 0.00 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

Instrument :

BNA_N

ClientSampled :

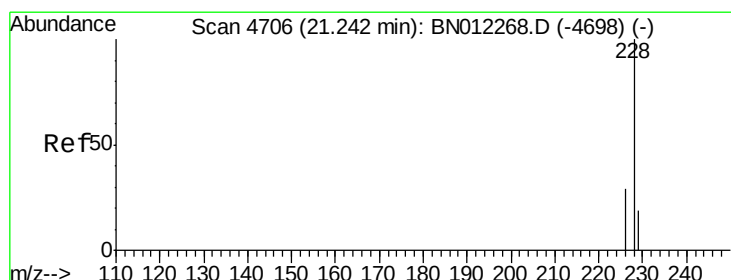
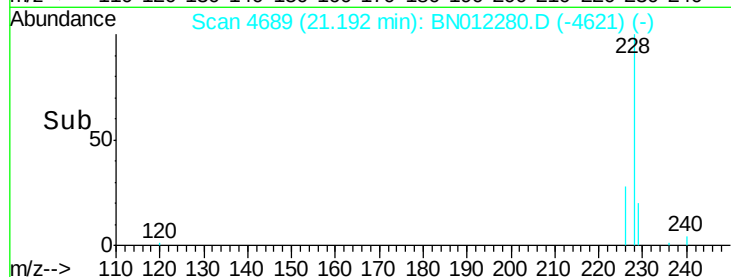
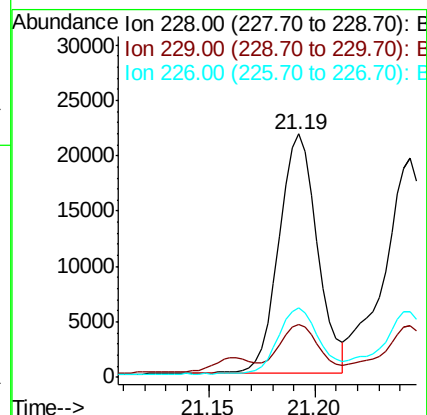
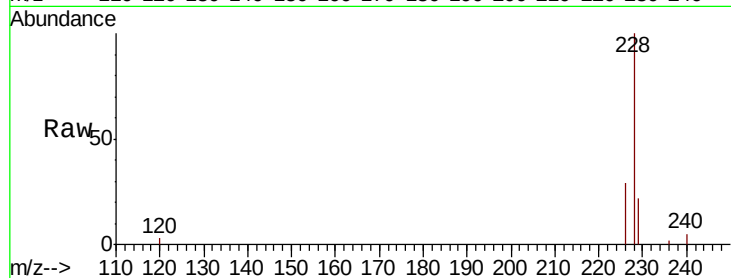
Tot Ion:228 Resp: 27184

Ion Ratio Lower Upper

228 100

229 21.6 15.8 23.8

226 28.8 22.6 33.8



#19

Chrysene

Concen: 0.785 ng/ul

RT: 21.24 min Scan# 4707

Delta R.T. 0.00 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

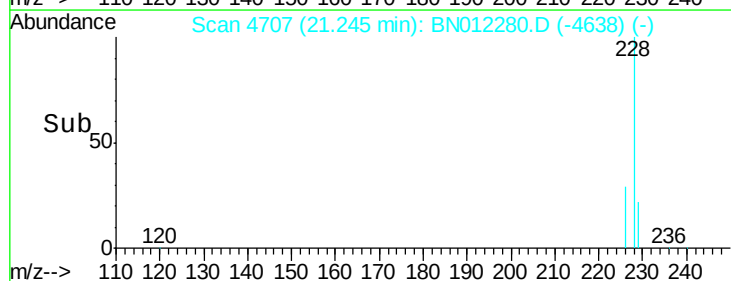
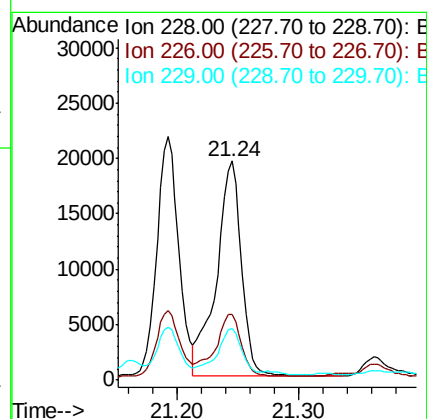
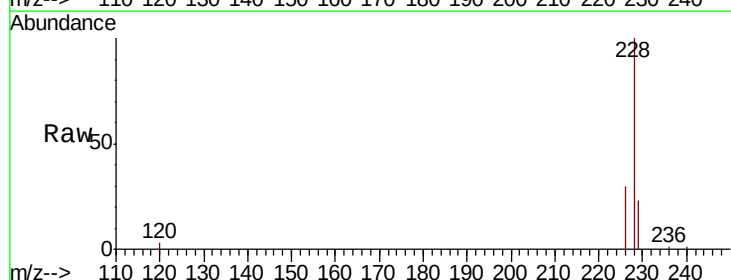
Tgt Ion:228 Resp: 27896

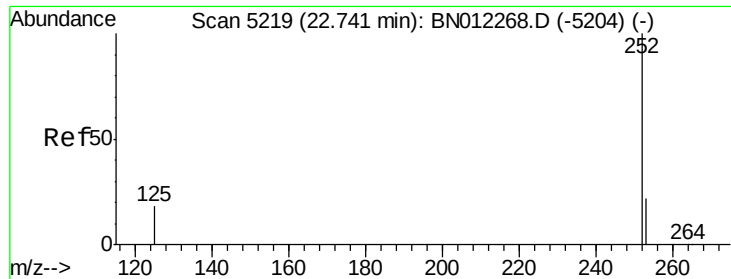
Ion Ratio Lower Upper

228 100

226 30.0 24.6 37.0

229 23.3 17.0 25.6





#21

Benzo(b)fluoranthene

Concen: 1.596 ng/ul

RT: 22.74 min Scan# 5220

Delta R.T. 0.00 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

Instrument :

BNA_N

ClientSampleId :

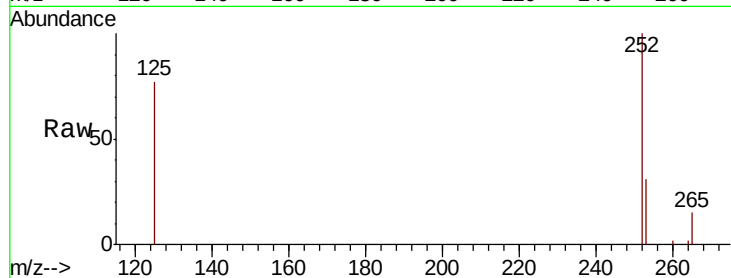
Tot Ion:252 Resp: 51482

Ion Ratio Lower Upper

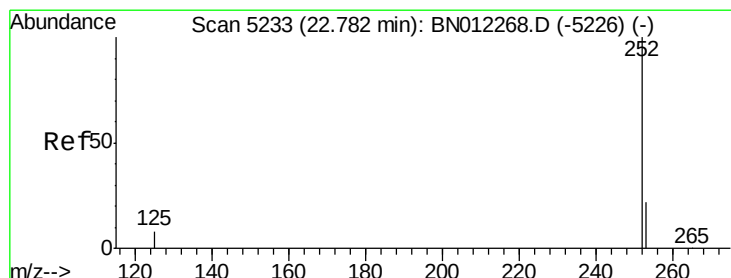
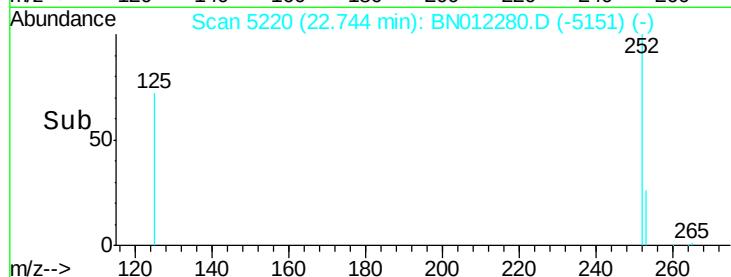
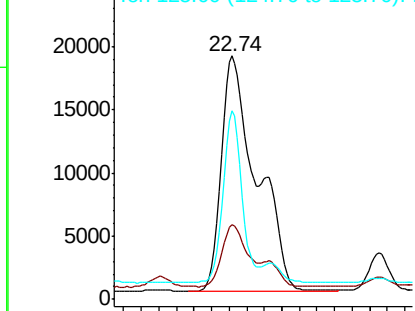
252 100

253 30.5 0.0 61.6

125 77.4 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: 1.442 ng/ul

RT: 22.74 min Scan# 5220

Delta R.T. -0.04 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

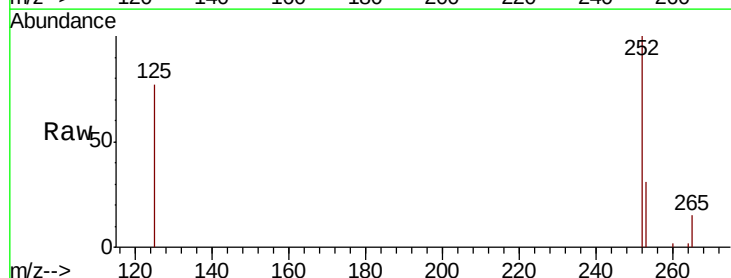
Tgt Ion:252 Resp: 51482

Ion Ratio Lower Upper

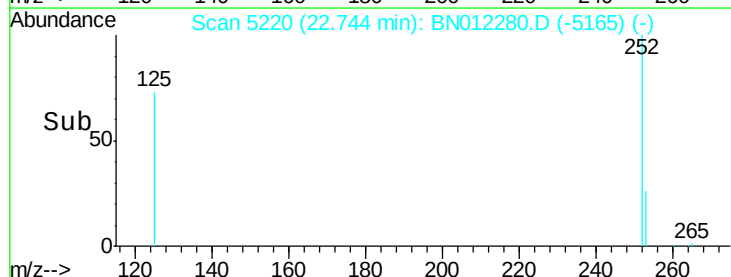
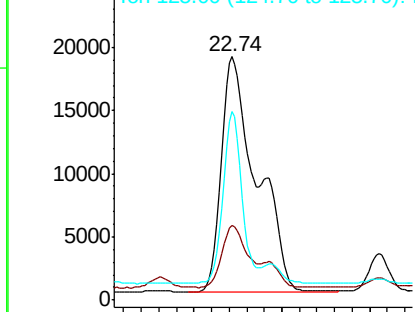
252 100

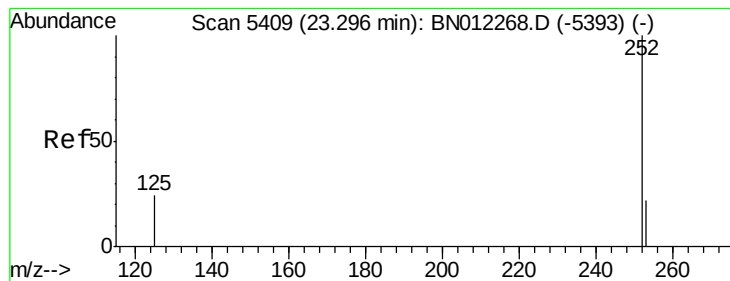
253 30.5 24.4 36.6

125 77.4 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: 0.825 ng/ul

RT: 23.30 min Scan# 5410

Delta R.T. 0.00 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

Instrument :

BNA_N

ClientSampleId :

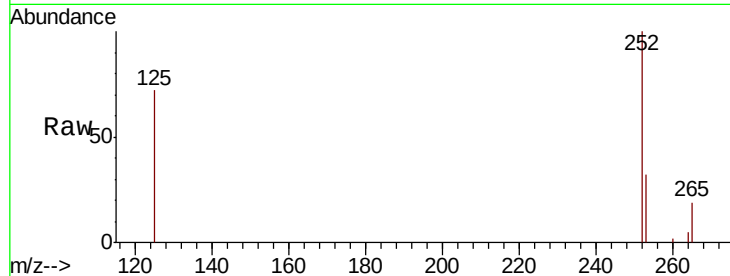
Tot Ion:252 Resp: 25873

Ion Ratio Lower Upper

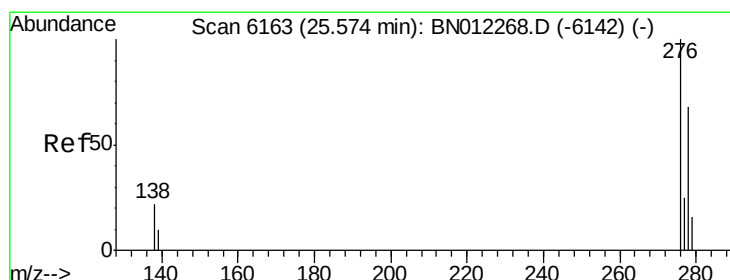
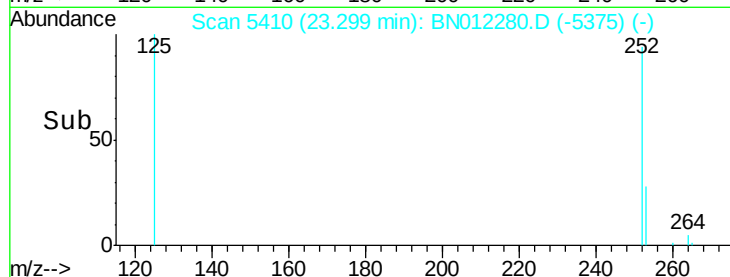
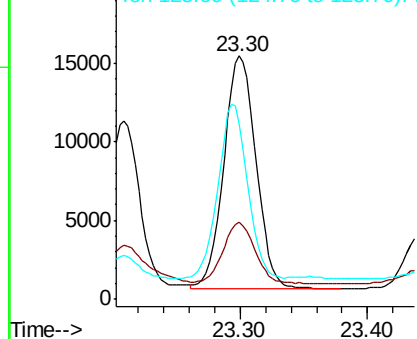
252 100

253 31.8 27.0 40.4

125 72.3 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: 0.464 ng/ul

RT: 25.58 min Scan# 6164

Delta R.T. 0.00 min

Lab File: BN012280.D

Acq: 16 Oct 2020 23:05

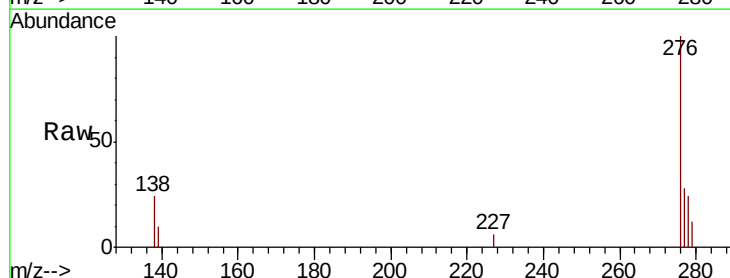
Tgt Ion:276 Resp: 18707

Ion Ratio Lower Upper

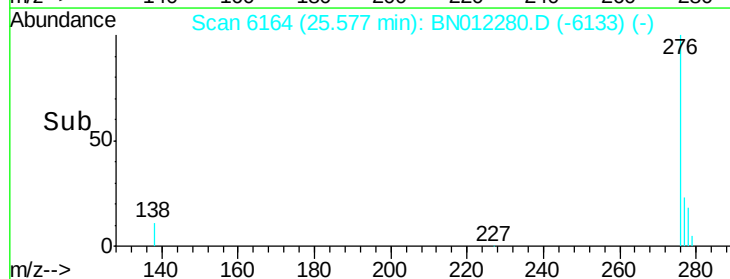
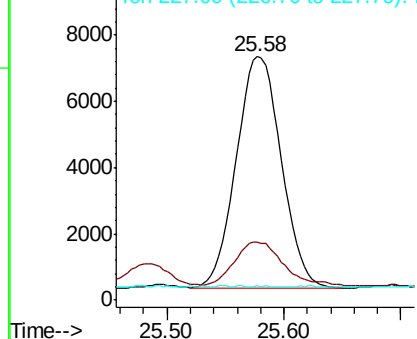
276 100

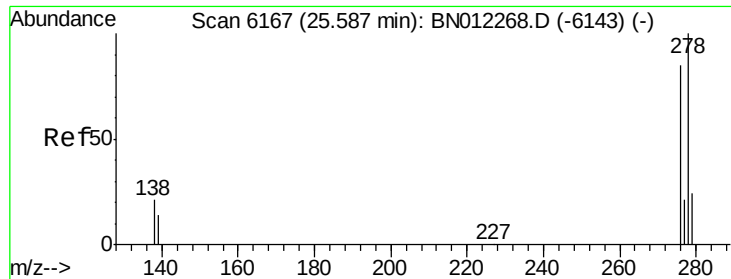
138 20.8 0.0 0.0#

227 0.1 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

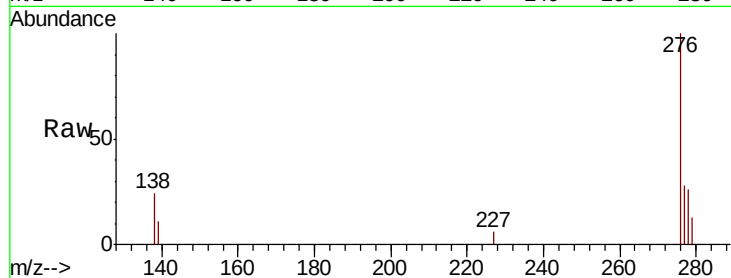




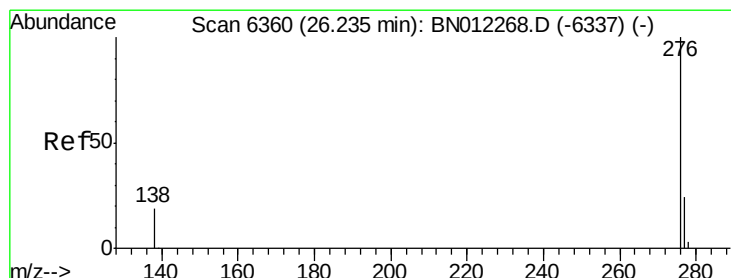
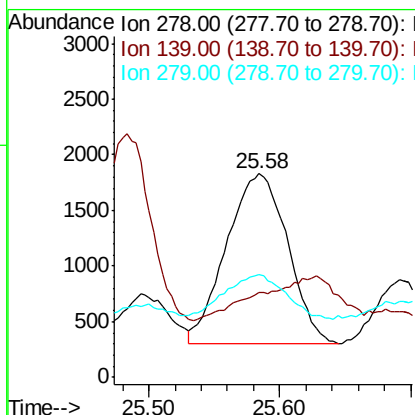
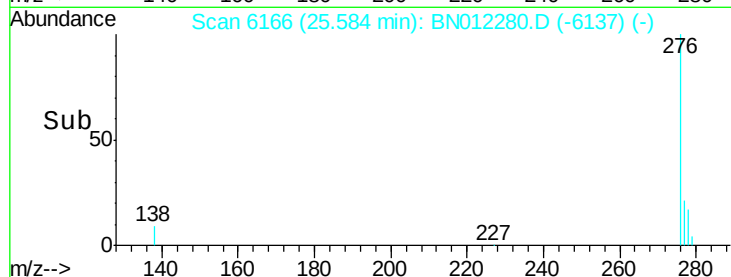
#25
Dibenzo(a,h)anthracene
Concen: 0.154 ng/ul
RT: 25.58 min Scan# 6166
Delta R.T. -0.00 min
Lab File: BN012280.D
Acq: 16 Oct 2020 23:05

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 4966
Ion Ratio Lower Upper
278 100
139 41.5 15.7 23.5#
279 50.7 26.0 39.0#

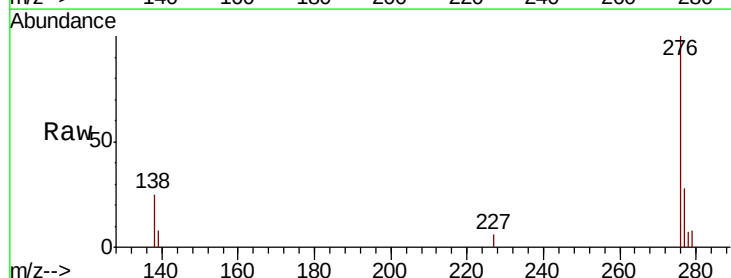


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.471 ng/ul
RT: 26.25 min Scan# 6364
Delta R.T. 0.01 min
Lab File: BN012280.D
Acq: 16 Oct 2020 23:05

Tgt Ion:276 Resp: 17398
Ion Ratio Lower Upper
276 100
138 25.3 17.1 25.7
277 27.9 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

