

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012245.D
 Acq On : 15 Oct 2020 23:26
 Operator : CG/JU
 Sample : L4235-08
 Misc :
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 16 01:28:24 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 01:19:50 2020
 Response via : Initial Calibration

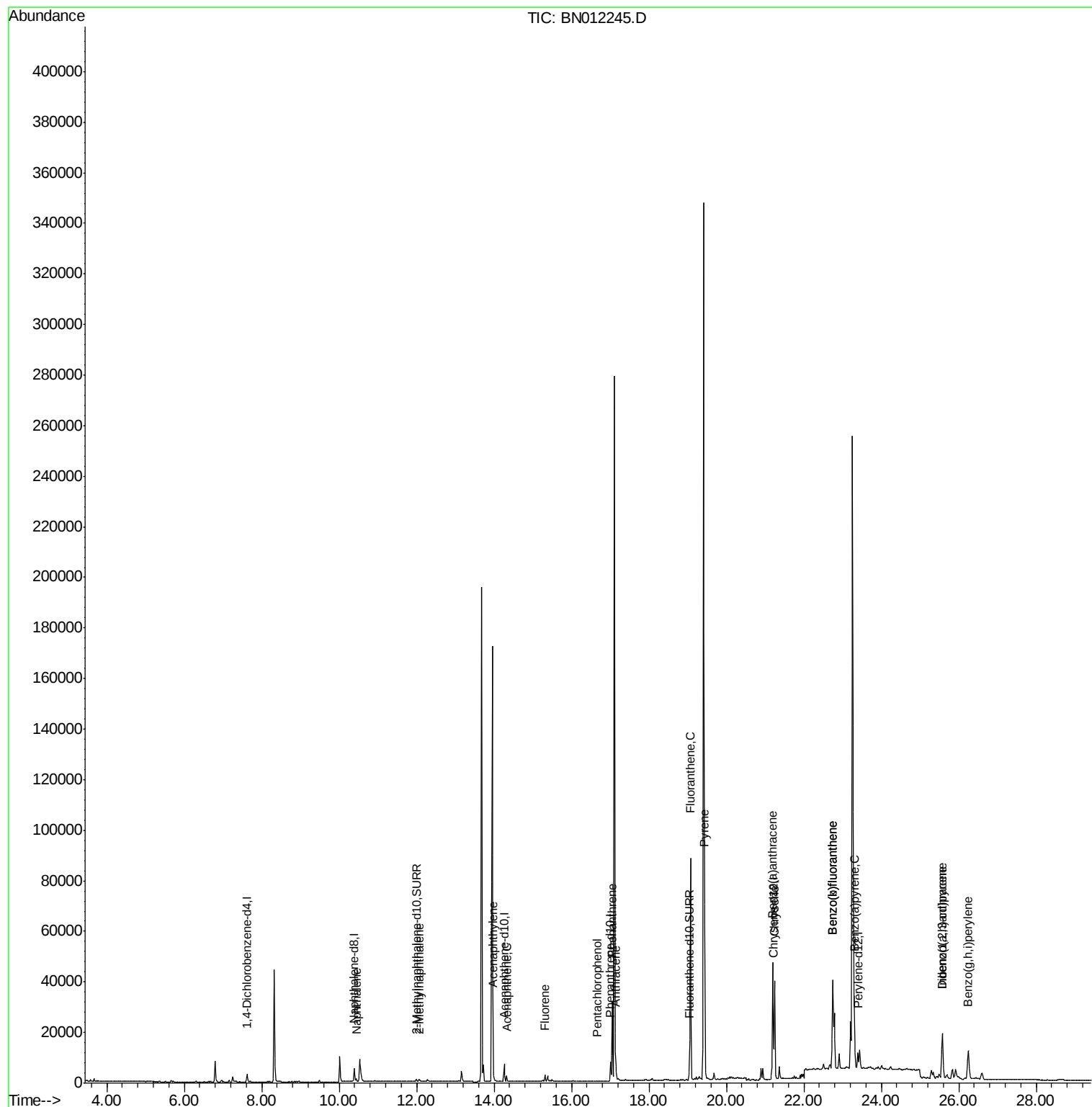
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1623	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	6829	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	3979	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	8624	0.40	ng/ul	0.00
16) Chrysene-d12	21.21	240	7582	0.40	ng/ul	0.00
20) Perylene-d12	23.40	264	7577	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	1356	0.13	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	3916	0.17	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	1321	0.067	ng/ul#	93
5) 2-Methylnaphthalene	12.06	142	725	0.058	ng/ul	100
7) Acenaphthylene	13.98	152	1978	0.115	ng/ul#	93
8) Acenaphthene	14.32	153	1258	0.086	ng/ul	95
9) Fluorene	15.31	166	1759	0.108	ng/ul#	99
11) Pentachlorophenol	16.67	266	55	0.022	ng/ul	91
12) Phenanthrene	17.05	178	32910	1.197	ng/ul	98
13) Anthracene	17.14	178	7055	0.299	ng/ul	99
15) Fluoranthene	19.07	202	72668	2.261	ng/ul	100
17) Pyrene	19.44	202	60534	1.771	ng/ul	99
18) Benzo(a)anthracene	21.19	228	37374	1.331	ng/ul	98
19) Chrysene	21.24	228	37663	1.101	ng/ul	97
21) Benzo(b)fluoranthene	22.74	252	74942	2.449	ng/ul	92
22) Benzo(k)fluoranthene	22.74	252	74942	2.212	ng/ul	93
23) Benzo(a)pyrene	23.30	252	34905	1.172	ng/ul#	87
24) Indeno(1,2,3-cd)pyrene	25.57	276	26929	0.704	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.58	278	7208	0.236	ng/ul#	86
26) Benzo(g,h,i)perylene	26.24	276	22970	0.655	ng/ul	97

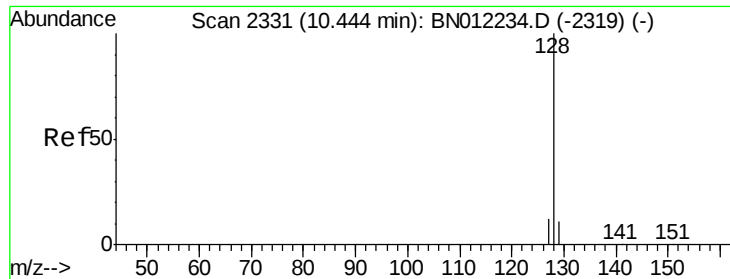
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Oct 16 01:19:50 2020
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#3

Naphthalene

Concen: 0.067 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.01 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

Instrument :

BNA_N

ClientSampleId :

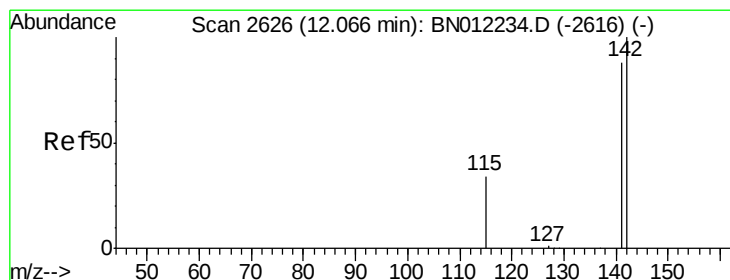
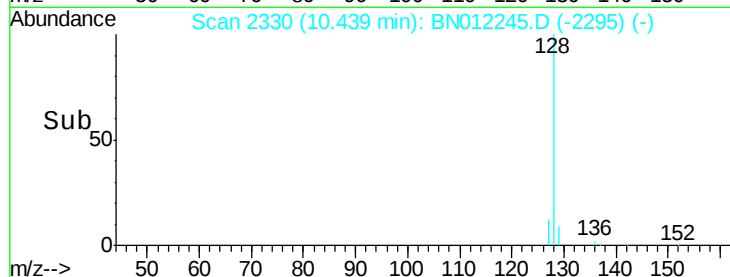
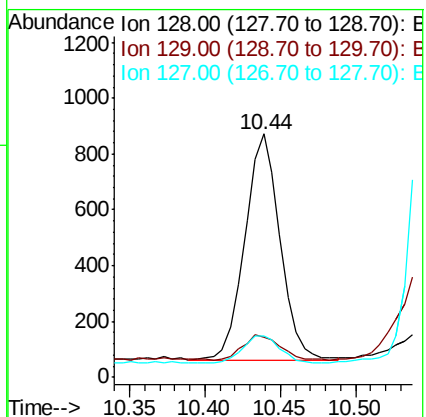
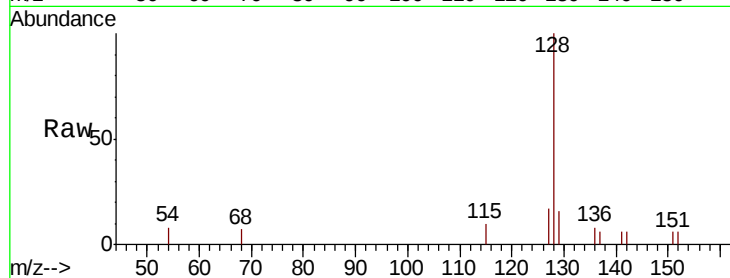
Tot Ion:128 Resp: 1321

Ion Ratio Lower Upper

128 100

129 16.3 10.3 15.5#

127 17.2 11.9 17.9



#5

2-Methylnaphthalene

Concen: 0.058 ng/ul

RT: 12.06 min Scan# 2625

Delta R.T. -0.01 min

Lab File: BN012245.D

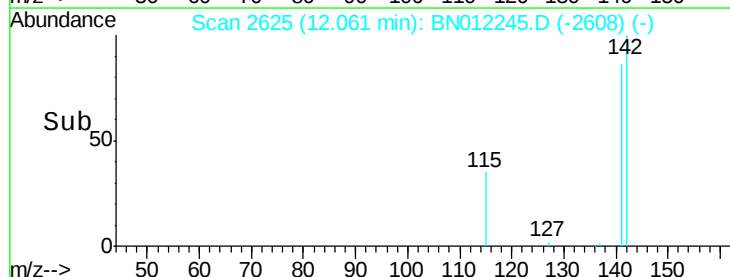
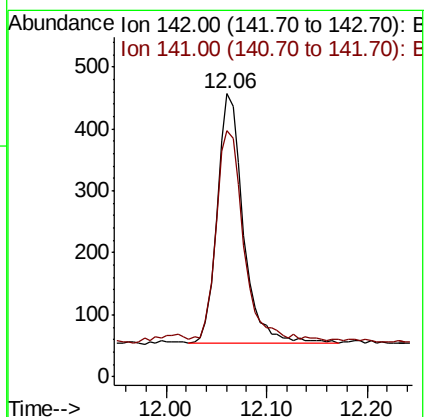
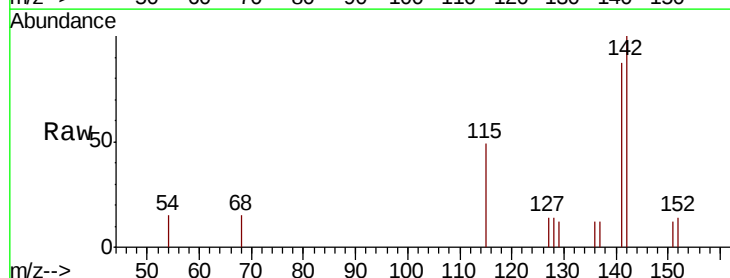
Acq: 15 Oct 2020 23:26

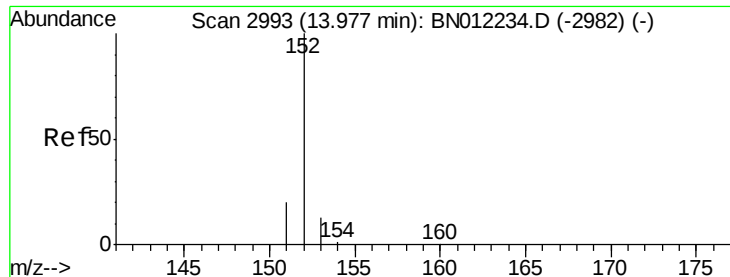
Tgt Ion:142 Resp: 725

Ion Ratio Lower Upper

142 100

141 89.8 71.7 107.5





#7

Acenaphthylene

Concen: 0.115 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. 0.00 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

Instrument :

BNA_N

ClientSampleId :

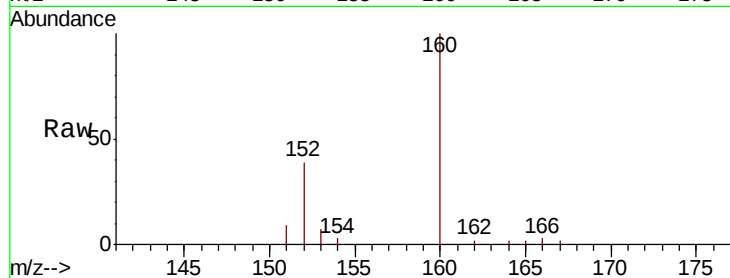
Tot Ion:152 Resp: 1978

Ion Ratio Lower Upper

152 100

151 23.8 16.7 25.1

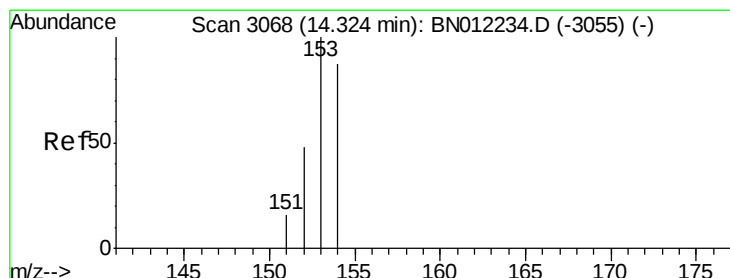
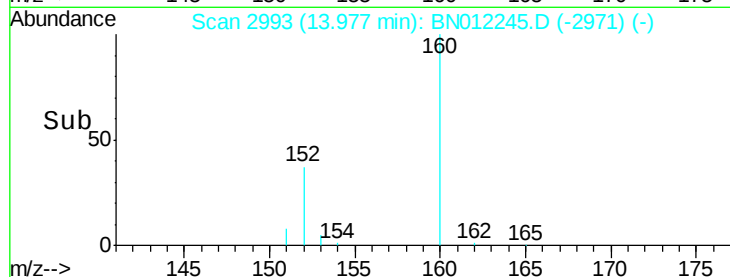
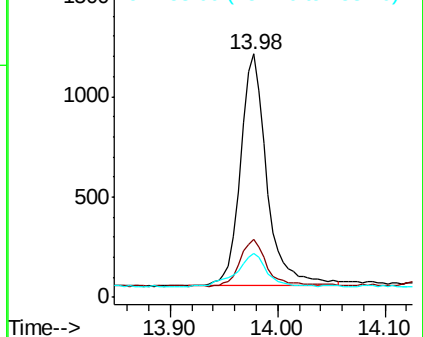
153 18.3 11.8 17.8#



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: 0.086 ng/ul

RT: 14.32 min Scan# 3067

Delta R.T. -0.00 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

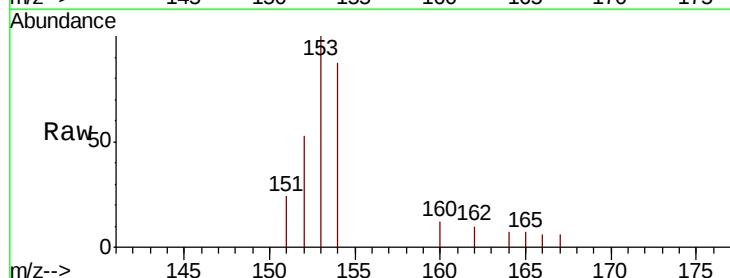
Tgt Ion:153 Resp: 1258

Ion Ratio Lower Upper

153 100

152 53.4 38.2 57.2

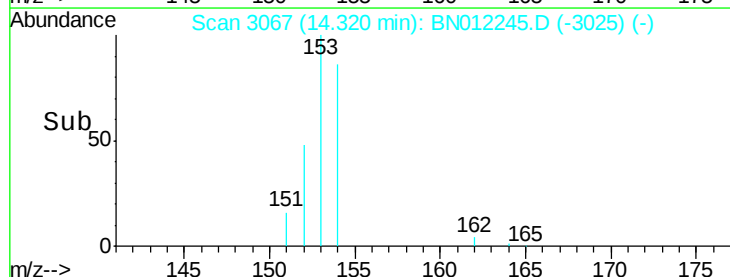
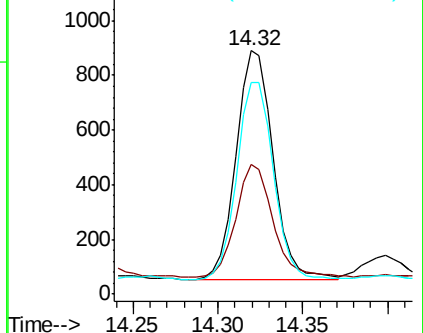
154 86.6 71.1 106.7

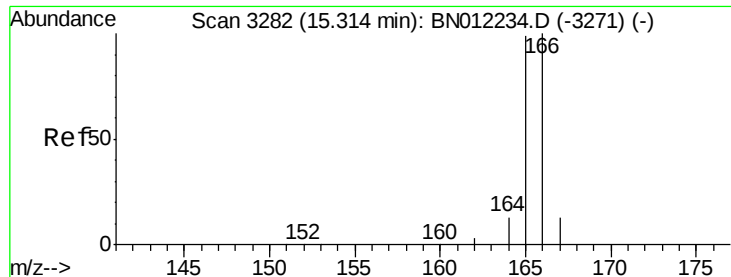


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.108 ng/ul

RT: 15.31 min Scan# 3282

Delta R.T. 0.00 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

Instrument :

BNA_N

ClientSampleId :

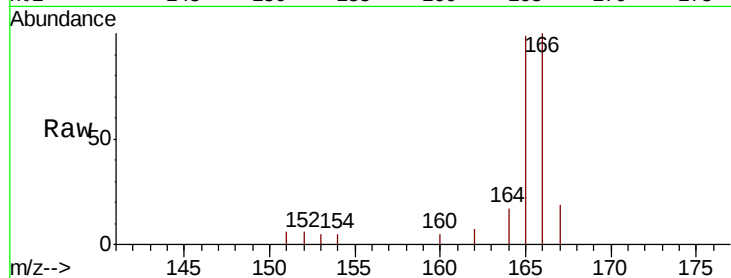
Tot Ion:166 Resp: 1759

Ion Ratio Lower Upper

166 100

165 98.6 78.6 118.0

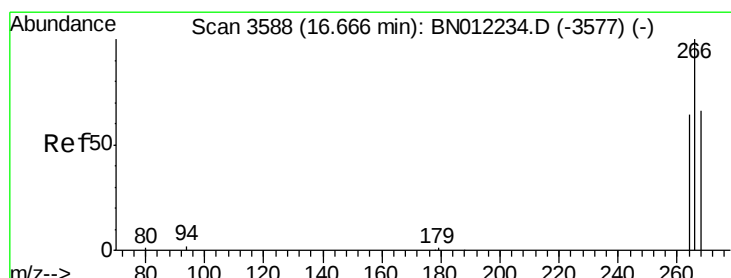
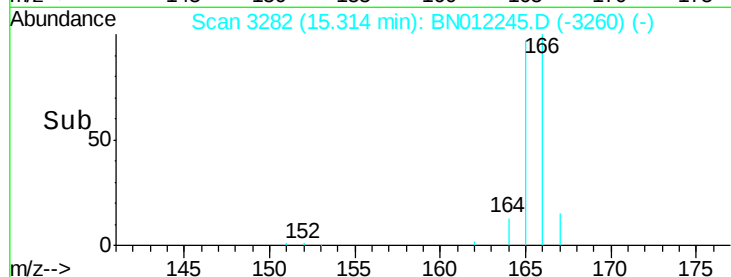
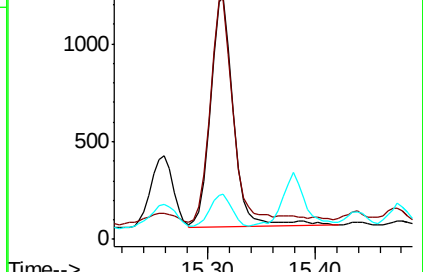
167 18.7 11.9 17.9#



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



#11

Pentachlorophenol

Concen: 0.022 ng/ul

RT: 16.67 min Scan# 3588

Delta R.T. 0.00 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

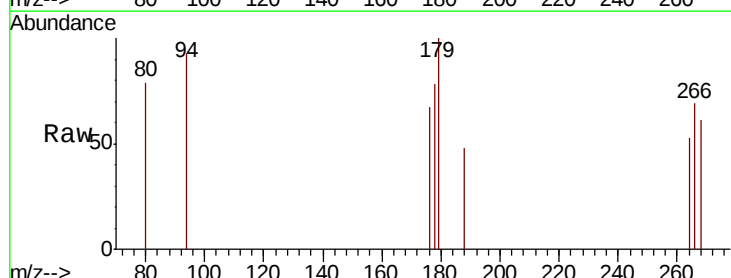
Tgt Ion:266 Resp: 55

Ion Ratio Lower Upper

266 100

264 56.4 50.3 75.5

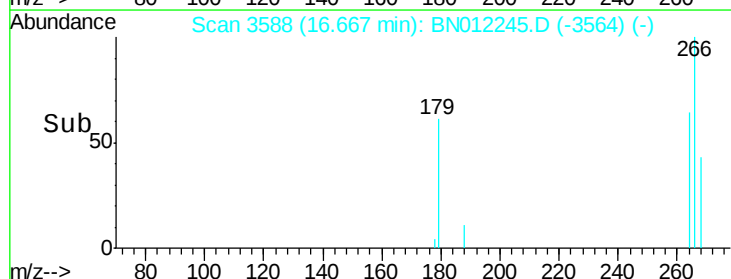
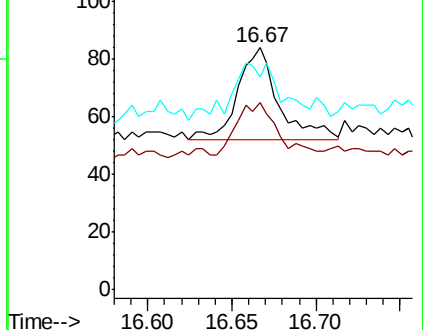
268 58.2 52.4 78.6

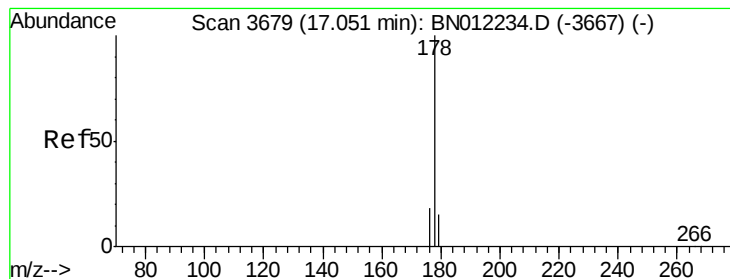


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 1.197 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

Instrument :

BNA_N

ClientSampleId :

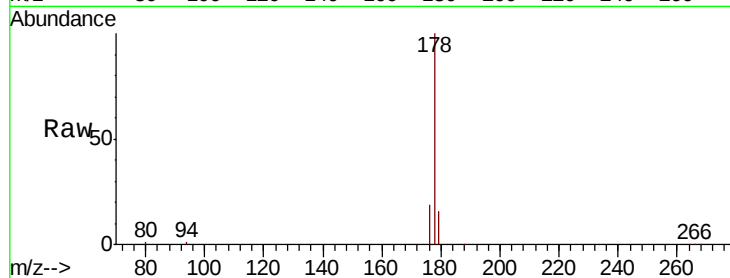
Tot Ion:178 Resp: 32910

Ion Ratio Lower Upper

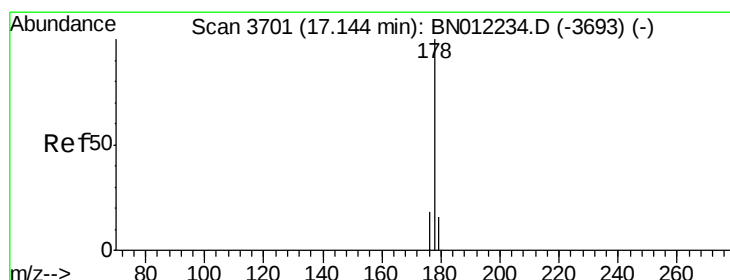
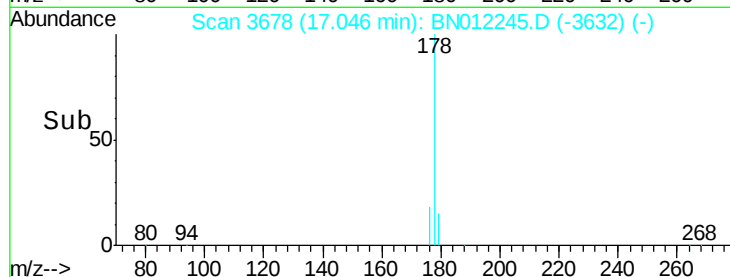
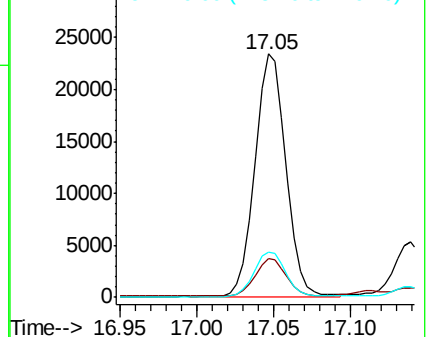
178 100

179 15.7 13.4 20.2

176 18.8 15.7 23.5



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



#13

Anthracene

Concen: 0.299 ng/ul

RT: 17.14 min Scan# 3700

Delta R.T. -0.00 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

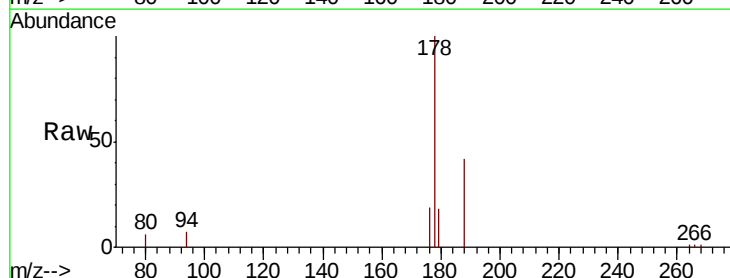
Tgt Ion:178 Resp: 7055

Ion Ratio Lower Upper

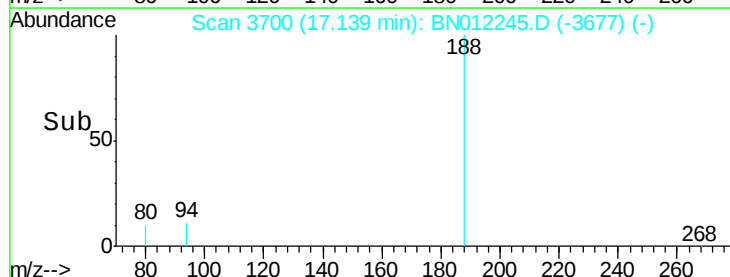
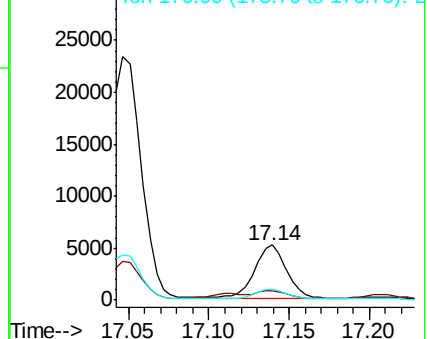
178 100

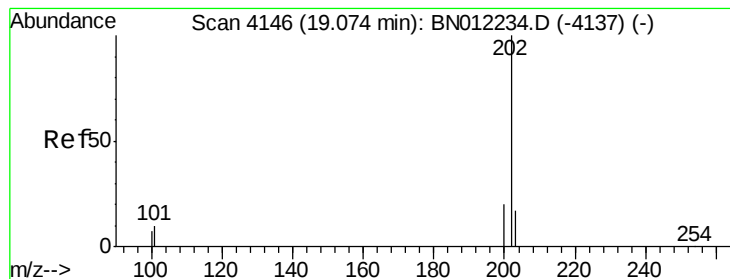
179 17.9 13.9 20.9

176 18.9 15.4 23.0



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: 2.261 ng/ul

RT: 19.07 min Scan# 4145

Delta R.T. -0.00 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

Instrument :

BNA_N

ClientSampleId :

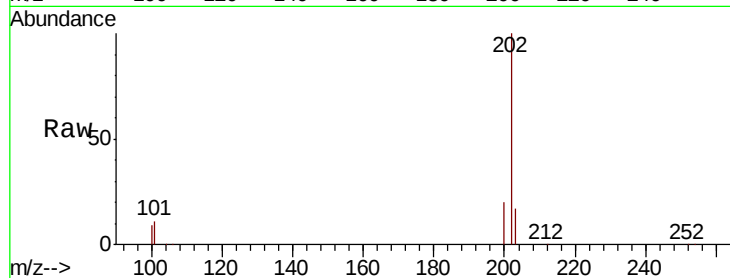
Tot Ion:202 Resp: 72668

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.0

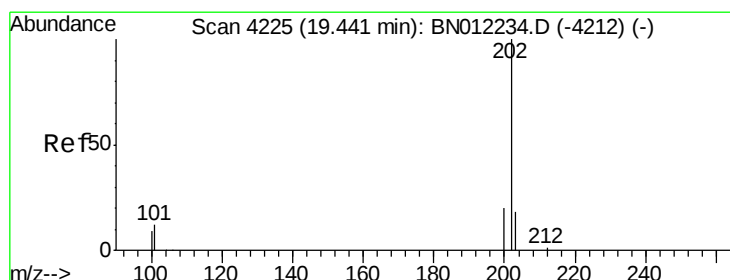
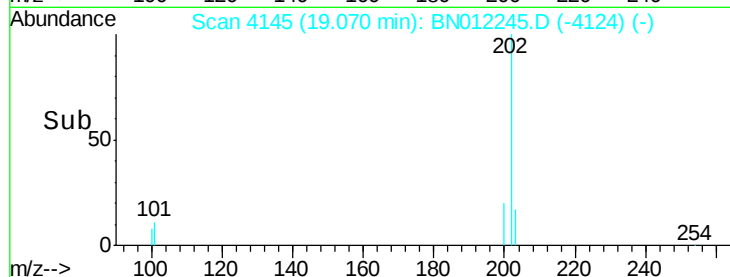
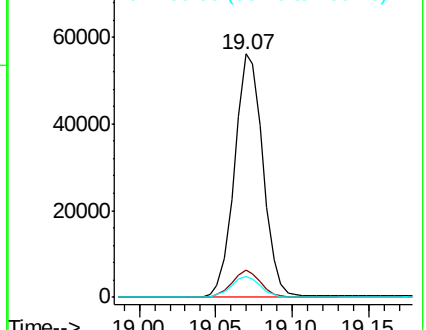
100 8.6 0.0 28.7



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: 1.771 ng/ul

RT: 19.44 min Scan# 4224

Delta R.T. -0.00 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

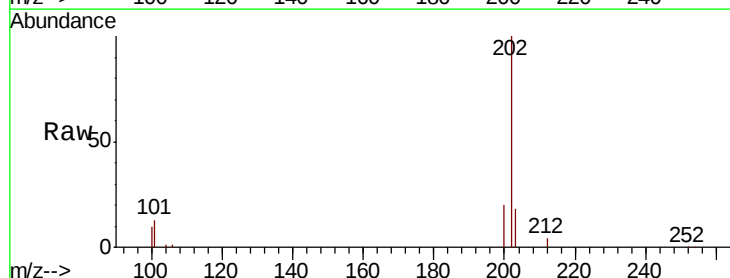
Tgt Ion:202 Resp: 60534

Ion Ratio Lower Upper

202 100

101 12.7 9.9 14.9

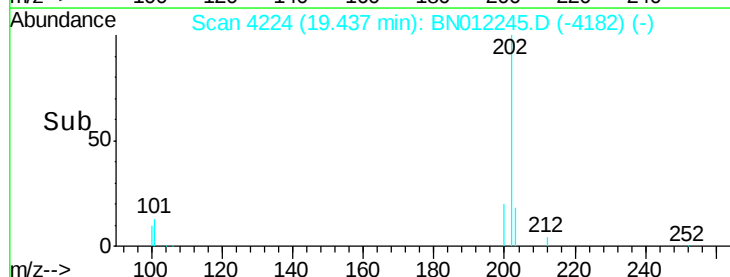
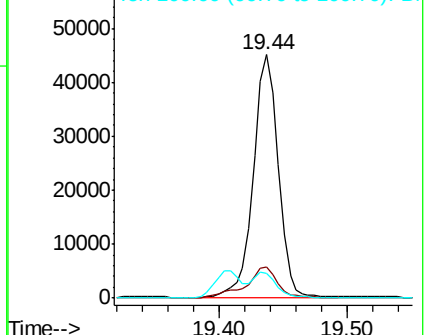
100 10.3 8.0 12.0

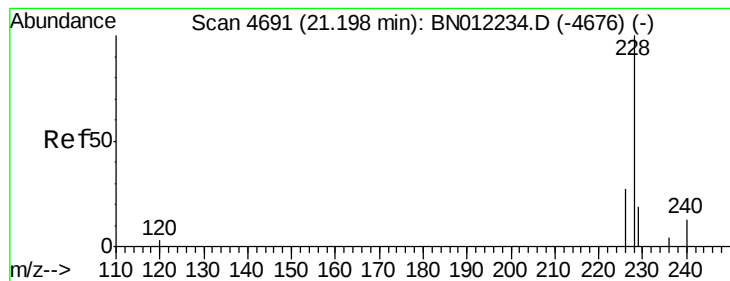


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 1.331 ng/ul

RT: 21.19 min Scan# 4689

Delta R.T. -0.01 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

Instrument :

BNA_N

ClientSampleId :

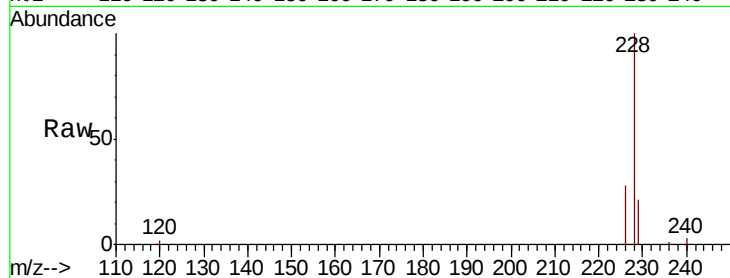
Tot Ion:228 Resp: 37374

Ion Ratio Lower Upper

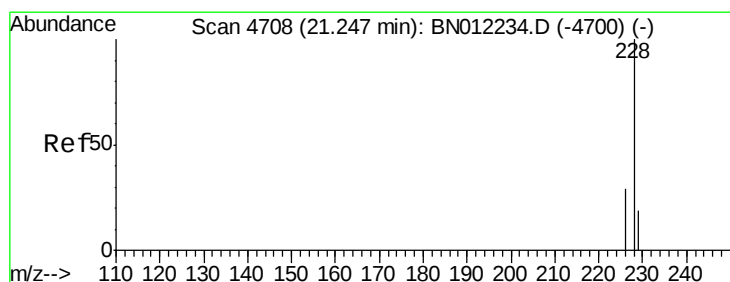
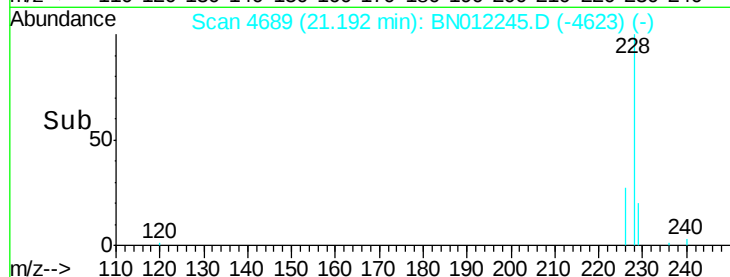
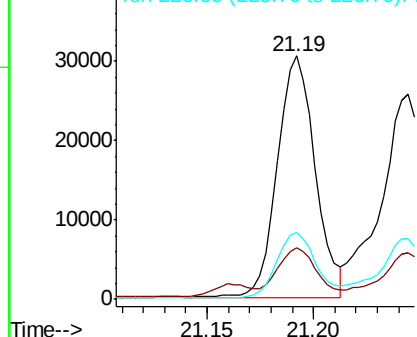
228 100

229 21.0 15.8 23.8

226 27.6 22.6 33.8



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: 1.101 ng/ul

RT: 21.24 min Scan# 4707

Delta R.T. -0.00 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

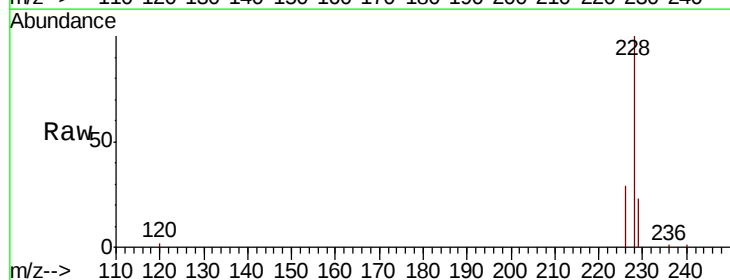
Tgt Ion:228 Resp: 37663

Ion Ratio Lower Upper

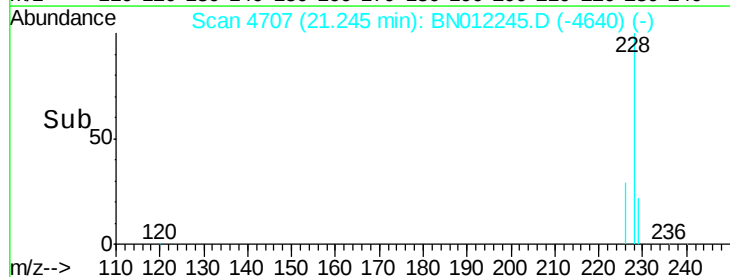
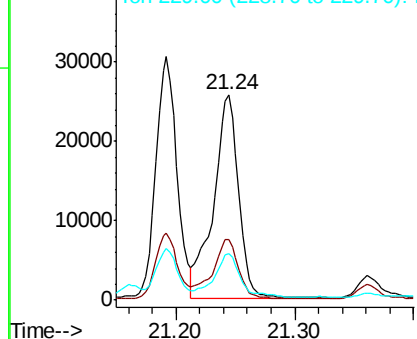
228 100

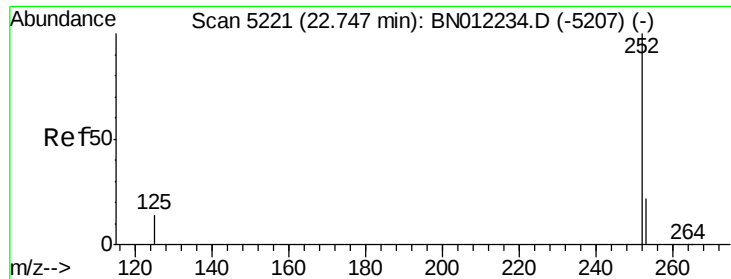
226 29.4 24.6 37.0

229 22.8 17.0 25.6



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: 2.449 ng/ul

RT: 22.74 min Scan# 5220

Delta R.T. -0.00 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

Instrument :

BNA_N

ClientSampleId :

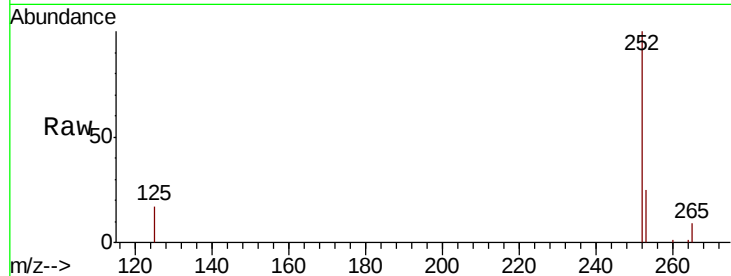
Tot Ion:252 Resp: 74942

Ion Ratio Lower Upper

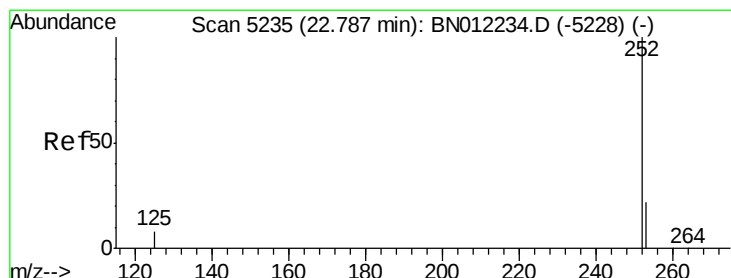
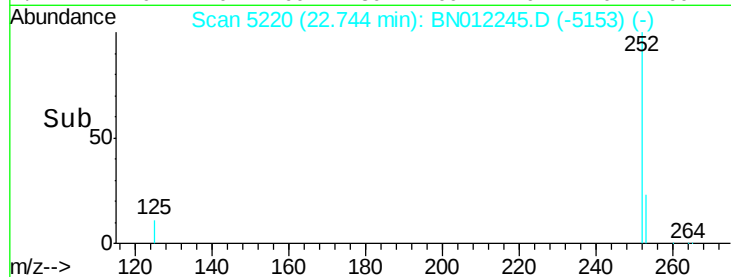
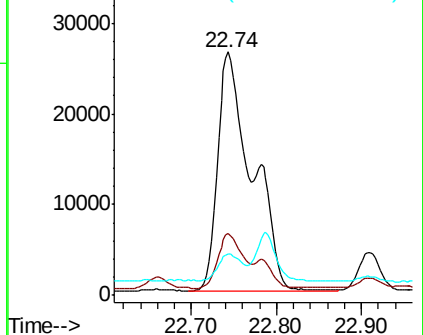
252 100

253 25.2 0.0 61.6

125 17.0 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: 2.212 ng/ul

RT: 22.74 min Scan# 5220

Delta R.T. -0.04 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

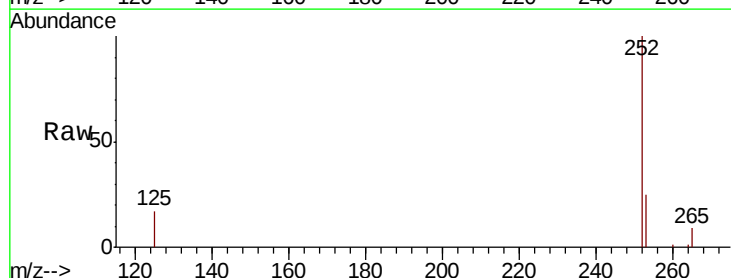
Tgt Ion:252 Resp: 74942

Ion Ratio Lower Upper

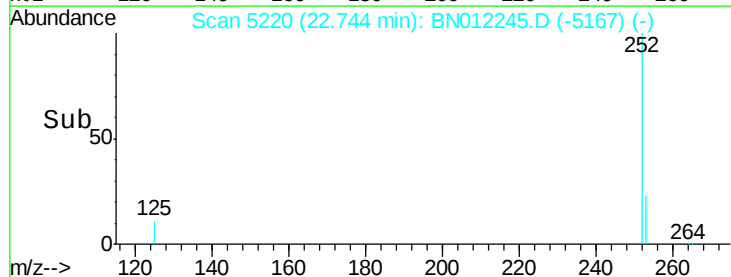
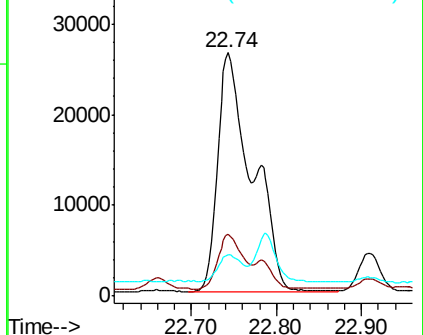
252 100

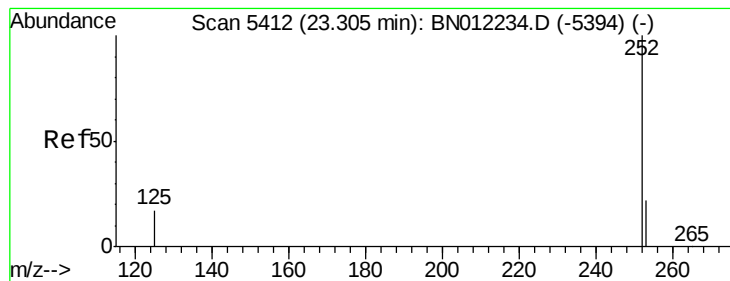
253 25.2 24.4 36.6

125 17.0 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: 1.172 ng/ul

RT: 23.30 min Scan# 5410

Delta R.T. -0.01 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

Instrument :

BNA_N

ClientSampleId :

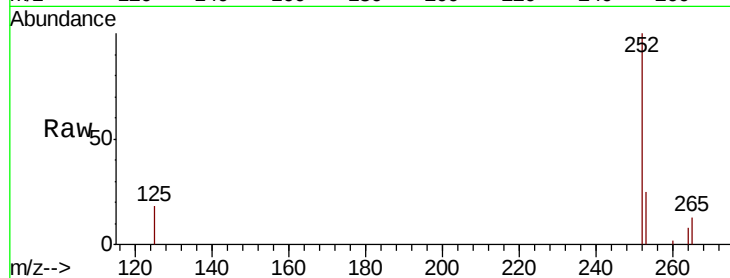
Tot Ion:252 Resp: 34905

Ion Ratio Lower Upper

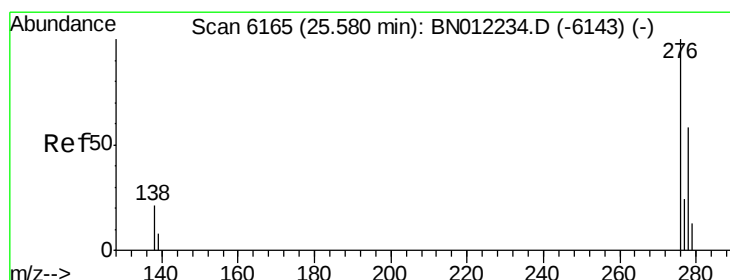
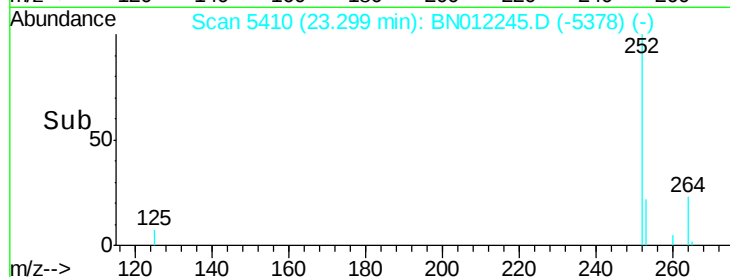
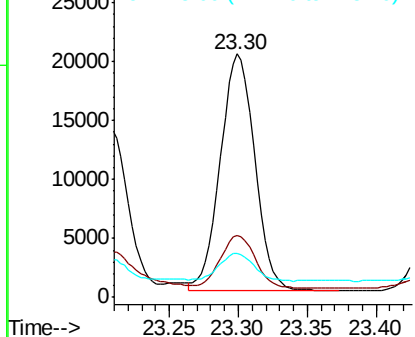
252 100

253 25.5 27.0 40.4#

125 18.2 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: 0.704 ng/ul

RT: 25.57 min Scan# 6163

Delta R.T. -0.01 min

Lab File: BN012245.D

Acq: 15 Oct 2020 23:26

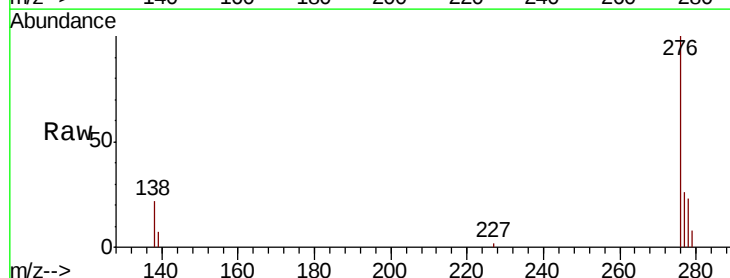
Tgt Ion:276 Resp: 26929

Ion Ratio Lower Upper

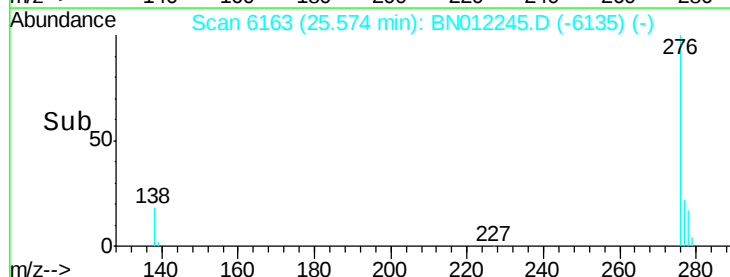
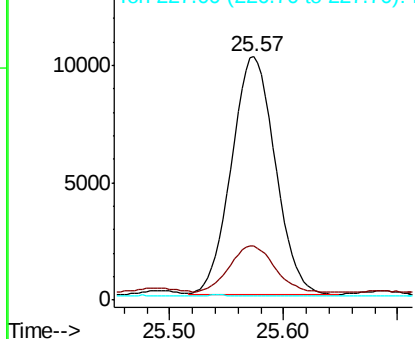
276 100

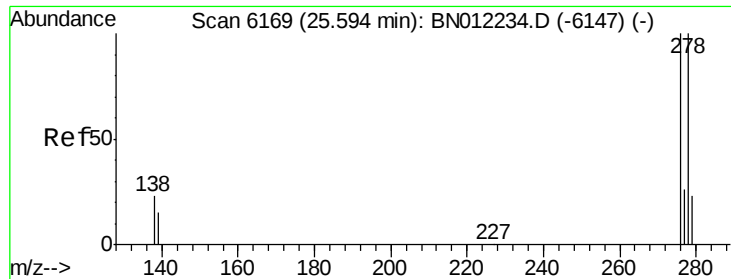
138 20.1 0.0 0.0#

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

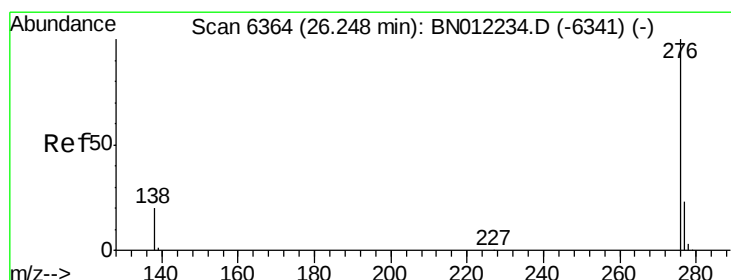
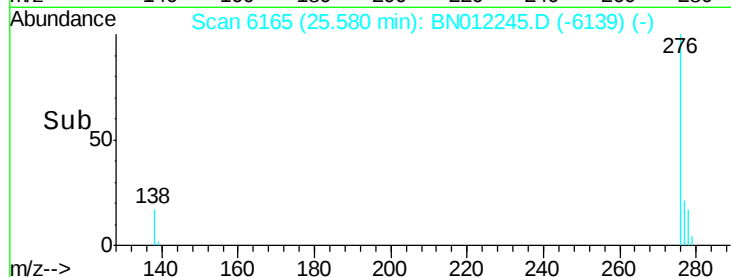
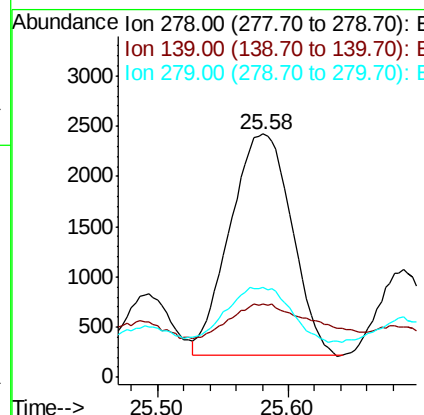
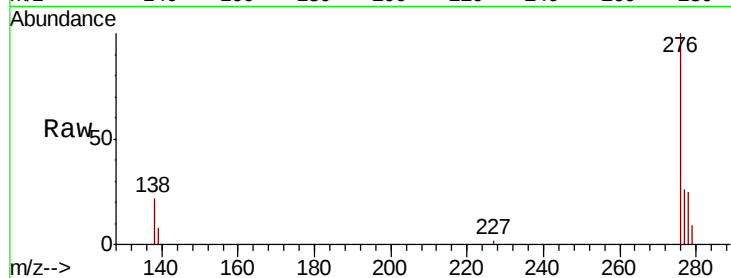




#25
Dibenzo(a,h)anthracene
Concen: 0.236 ng/ul
RT: 25.58 min Scan# 6165
Delta R.T. -0.01 min
Lab File: BN012245.D
Acq: 15 Oct 2020 23:26

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 7208
Ion Ratio Lower Upper
278 100
139 30.2 15.7 23.5#
279 37.0 26.0 39.0



#26
Benzo(g,h,i)perylene
Concen: 0.655 ng/ul
RT: 26.24 min Scan# 6363
Delta R.T. -0.00 min
Lab File: BN012245.D
Acq: 15 Oct 2020 23:26

Tgt Ion:276 Resp: 22970
Ion Ratio Lower Upper
276 100
138 23.2 17.1 25.7
277 25.4 21.1 31.7

