

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN101420\
 Data File : BN012215.D
 Acq On : 15 Oct 2020 04:10
 Operator : CG/JU
 Sample : L4184-12
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Oct 15 04:55:01 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 : Thu Oct 15 04:47:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	1147	0.40	ng/ul	0.00
2) Naphthalene-d8	10.39	136	4779	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	2869	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.01	188	6163	0.40	ng/ul	0.00
16) Chrysene-d12	21.20	240	6293	0.40	ng/ul	0.00
20) Perylene-d12	23.39	264	6778	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.99	152	1314	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.04	212	3211	0.19	ng/ul	0.00

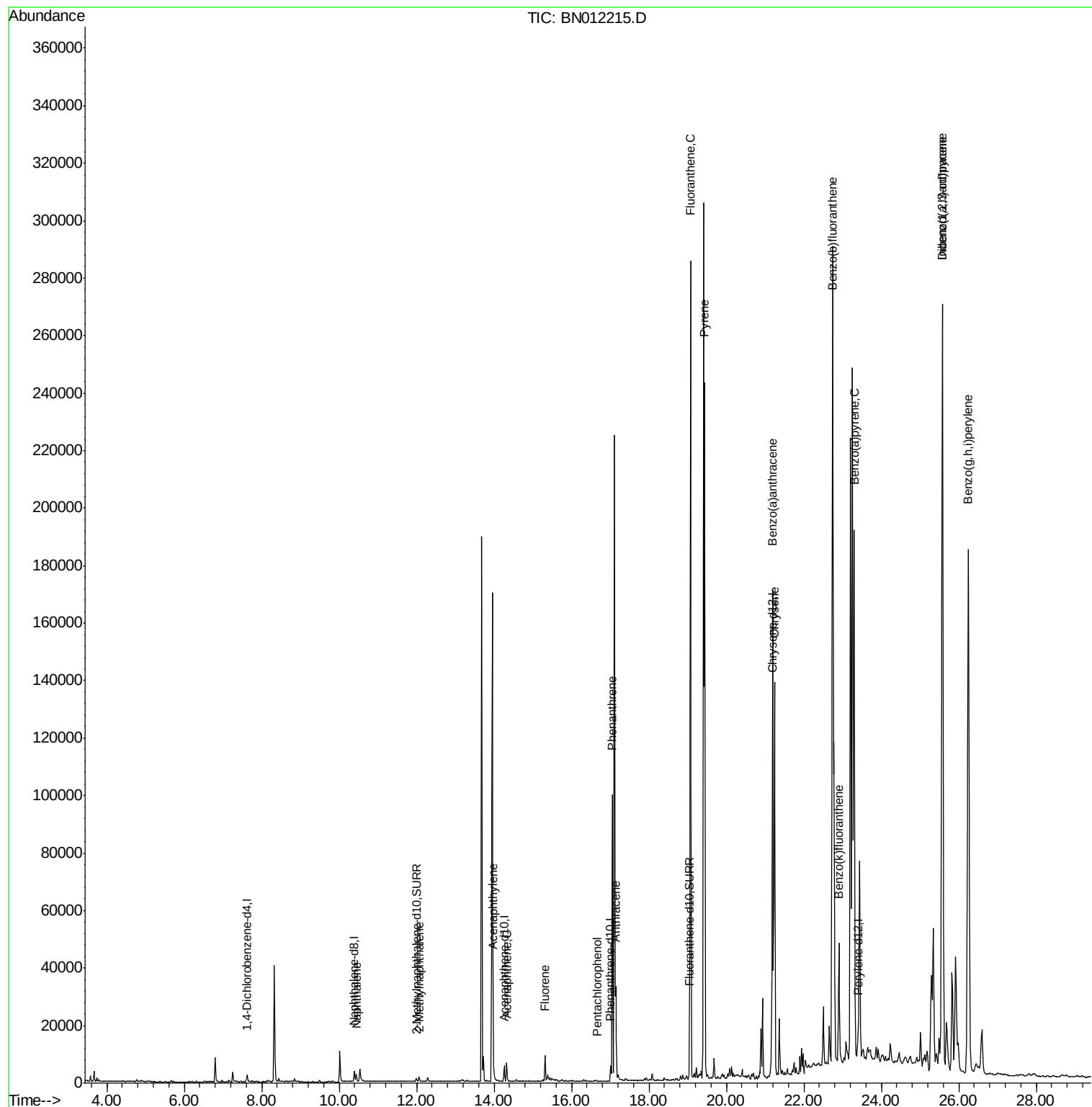
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	3625	0.263	ng/ul	98
5) 2-Methylnaphthalene	12.07	142	1162	0.133	ng/ul	97
7) Acenaphthylene	13.98	152	6309	0.507	ng/ul	99
8) Acenaphthene	14.32	153	3739	0.355	ng/ul	97
9) Fluorene	15.31	166	5552	0.474	ng/ul	99
11) Pentachlorophenol	16.66	266	90	0.051	ng/ul	89
12) Phenanthrene	17.05	178	102809	5.233	ng/ul	98
13) Anthracene	17.14	178	31024	1.841	ng/ul	97
15) Fluoranthene	19.07	202	240358	10.463	ng/ul	98
17) Pyrene	19.44	202	199565	7.034	ng/ul	98
18) Benzo(a)anthracene	21.19	228	135205	5.800	ng/ul	99
19) Chrysene	21.24	228	146738	5.167	ng/ul	98
21) Benzo(b)fluoranthene	22.74	252	536972	19.614	ng/ul	84
22) Benzo(k)fluoranthene	22.90	252	47791	1.577	ng/ul	99
23) Benzo(a)pyrene	23.30	252	233767	8.777	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.57	276	408594	11.942	ng/ul#	100
25) Dibenzo(a,h)anthracene	25.58	278	81760	2.987	ng/ul	93
26) Benzo(g,h,i)perylene	26.24	276	361916	11.541	ng/ul	97

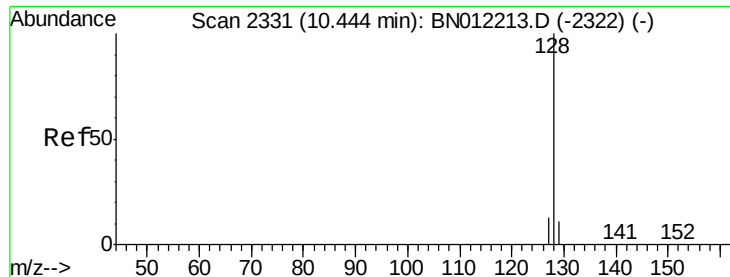
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.263 ng/ul

RT: 10.44 min Scan# 2330

Delta R.T. -0.01 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

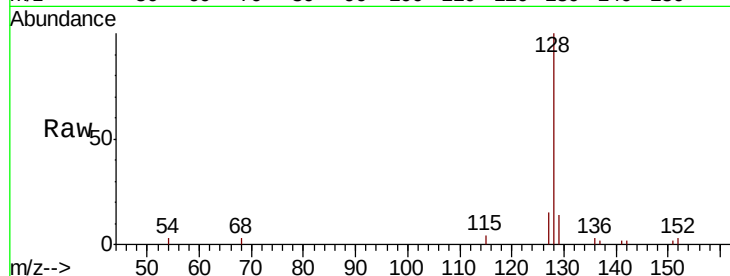
Instrument :

BNA_N

ClientSampleId :

Tot Ion:128 Resp: 3625

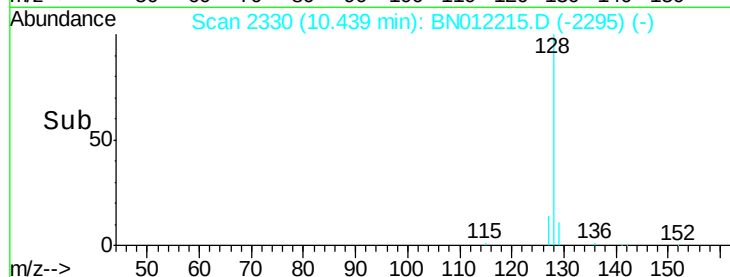
Ion	Ratio	Lower	Upper
128	100		
129	13.7	10.3	15.5
127	15.5	11.9	17.9



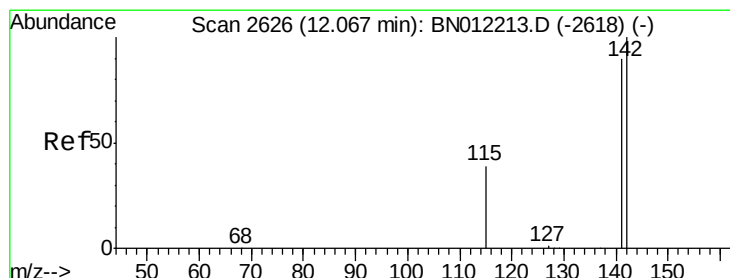
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#5

2-Methylnaphthalene

Concen: 0.133 ng/ul

RT: 12.07 min Scan# 2626

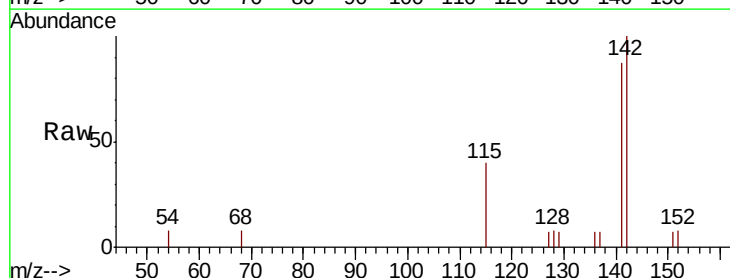
Delta R.T. 0.00 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

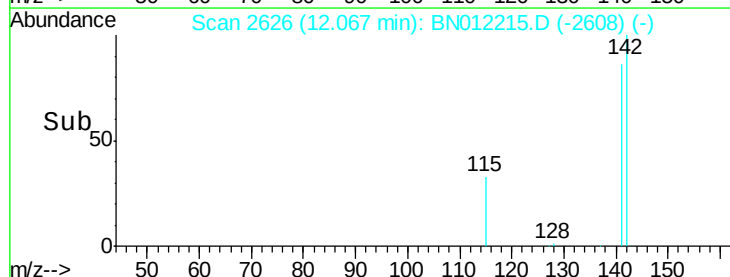
Tgt Ion:142 Resp: 1162

Ion	Ratio	Lower	Upper
142	100		
141	92.9	71.7	107.5

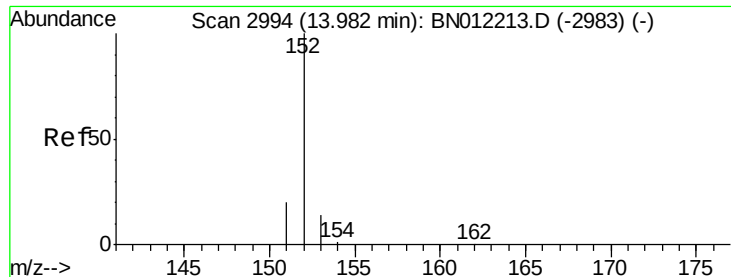


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->



#7

Acenaphthylene

Concen: 0.507 ng/ul

RT: 13.98 min Scan# 2993

Delta R.T. -0.00 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

Instrument :

BNA_N

ClientSampleId :

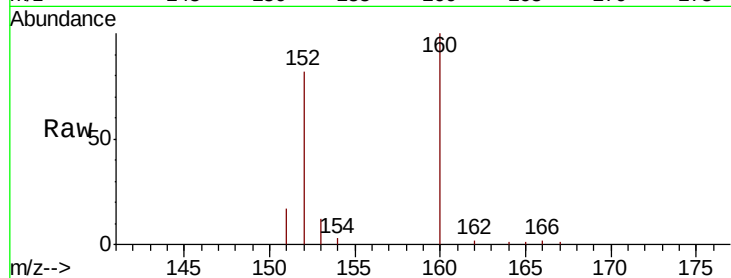
Tot Ion:152 Resp: 6309

Ion Ratio Lower Upper

152 100

151 21.2 16.7 25.1

153 15.0 11.8 17.8



Abundance Ion 152.00 (151.70 to 152.70): E

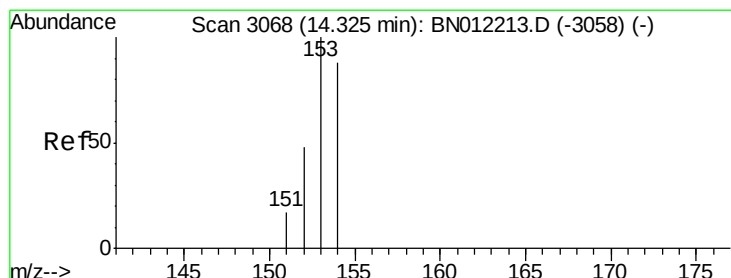
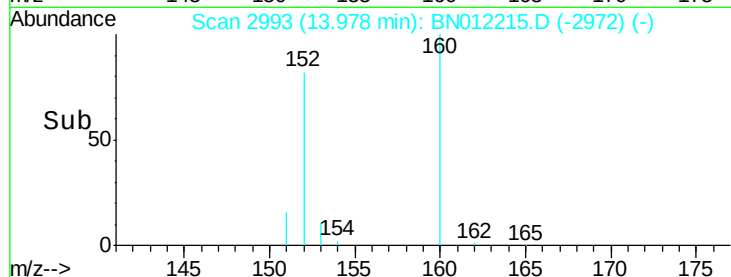
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

13.98

Time-->

13.90 14.00 14.10



#8

Acenaphthene

Concen: 0.355 ng/ul

RT: 14.32 min Scan# 3068

Delta R.T. -0.00 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

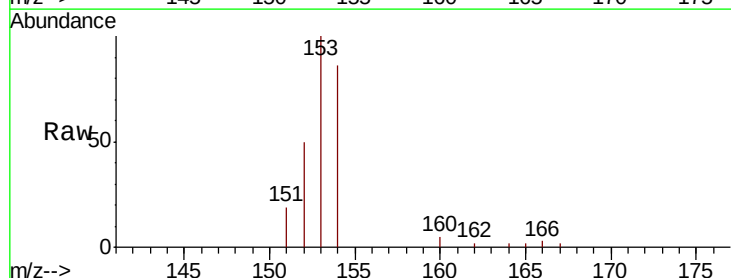
Tgt Ion:153 Resp: 3739

Ion Ratio Lower Upper

153 100

152 49.7 38.2 57.2

154 86.5 71.1 106.7



Abundance Ion 153.00 (152.70 to 153.70): E

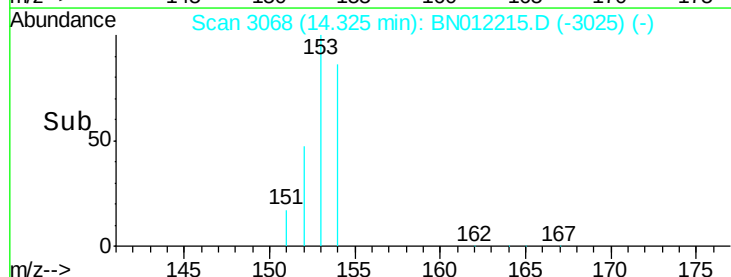
Ion 152.00 (151.70 to 152.70): E

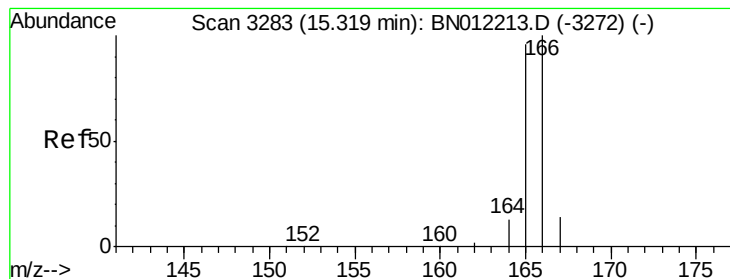
Ion 154.00 (153.70 to 154.70): E

14.32

Time-->

14.25 14.30 14.35 14.40





#9

Fluorene

Concen: 0.474 ng/ul

RT: 15.31 min Scan# 3282

Delta R.T. -0.00 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

Instrument :

BNA_N

ClientSampled :

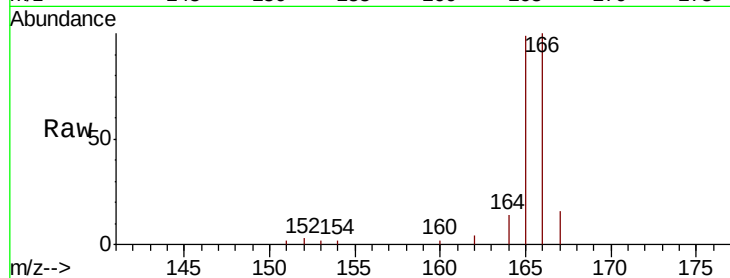
Tot Ion:166 Resp: 5552

Ion Ratio Lower Upper

166 100

165 98.7 78.6 118.0

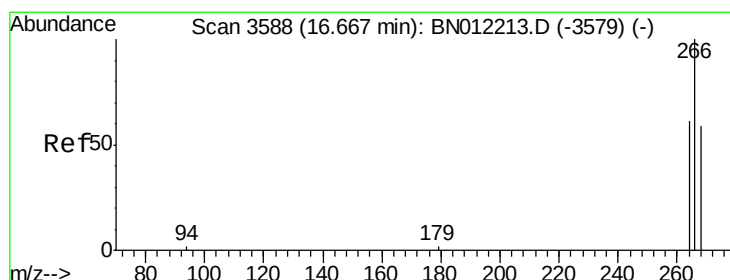
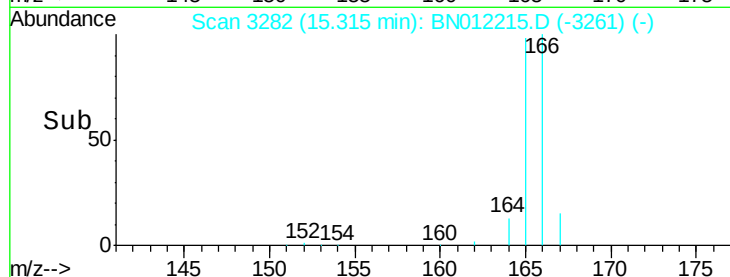
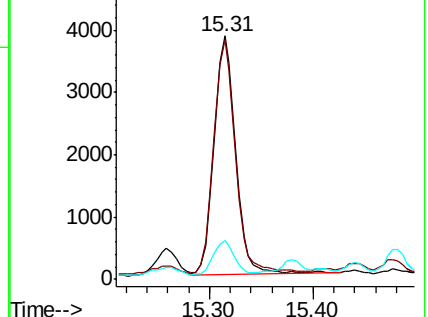
167 16.1 11.9 17.9



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: 0.051 ng/ul

RT: 16.66 min Scan# 3587

Delta R.T. -0.00 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

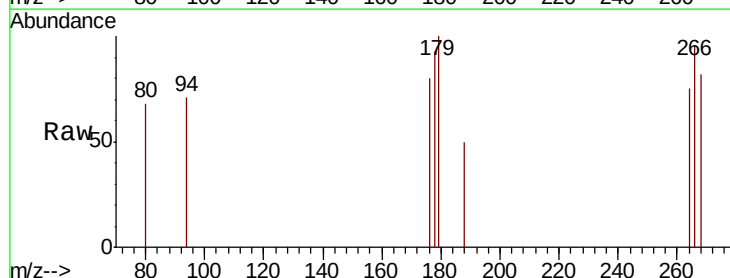
Tgt Ion:266 Resp: 90

Ion Ratio Lower Upper

266 100

264 52.2 50.3 75.5

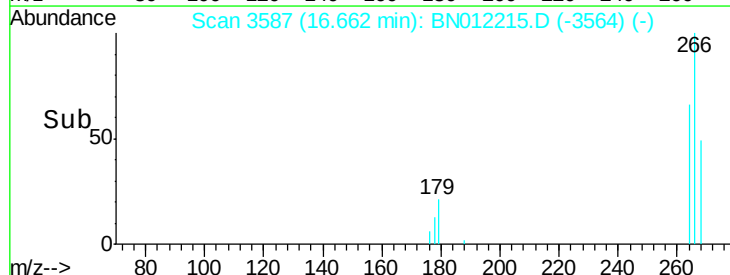
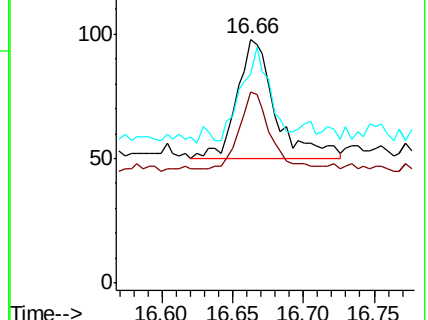
268 58.9 52.4 78.6

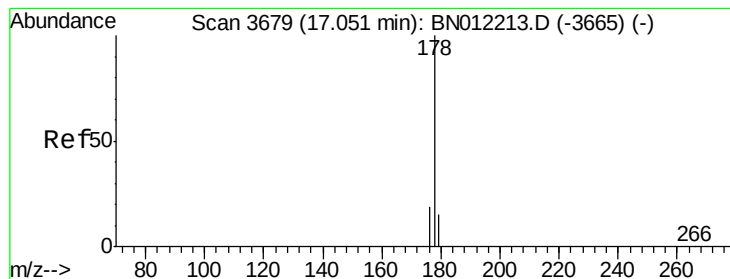


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 5.233 ng/ul

RT: 17.05 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

Instrument :

BNA_N

ClientSampleId :

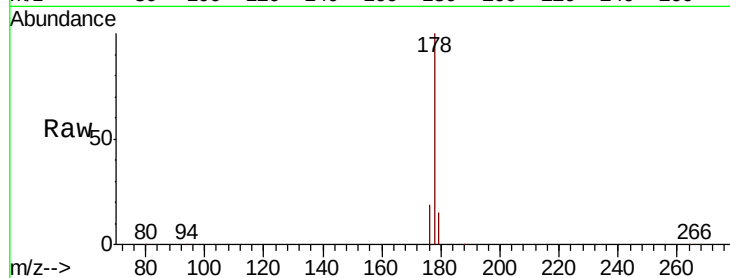
Tot Ion:178 Resp: 102809

Ion Ratio Lower Upper

178 100

179 15.4 13.4 20.2

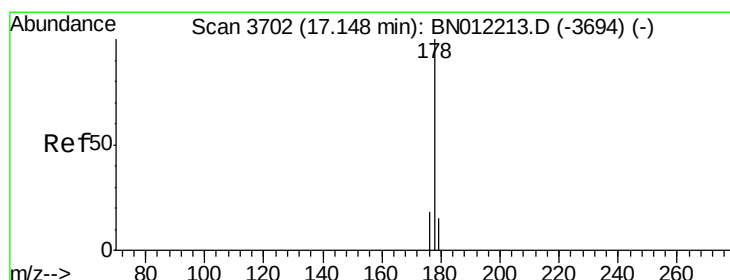
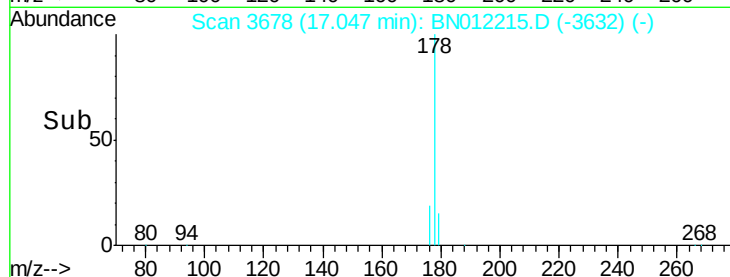
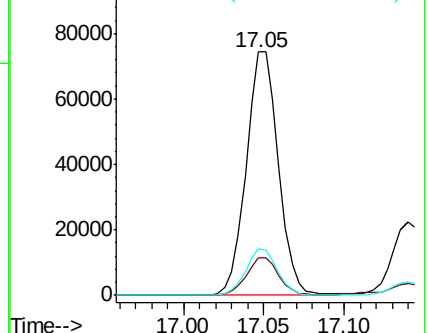
176 18.9 15.7 23.5



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: 1.841 ng/ul

RT: 17.14 min Scan# 3700

Delta R.T. -0.01 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

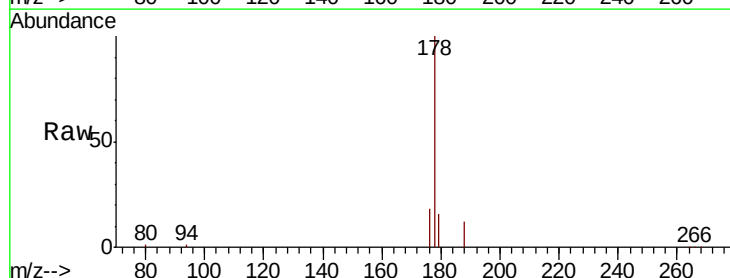
Tgt Ion:178 Resp: 31024

Ion Ratio Lower Upper

178 100

179 16.0 13.9 20.9

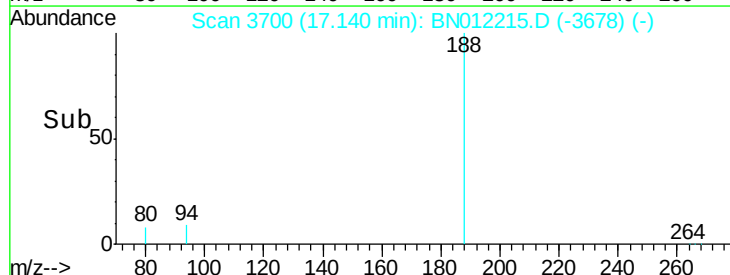
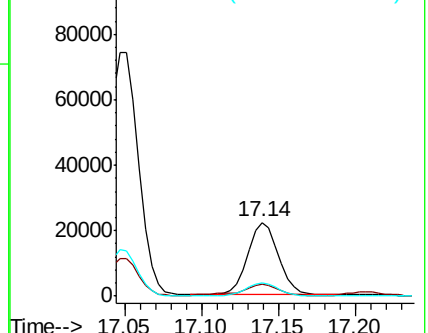
176 18.2 15.4 23.0

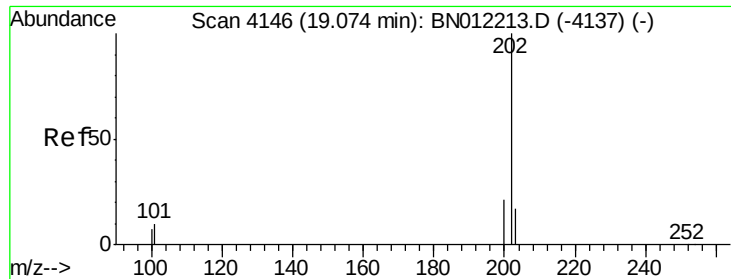


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

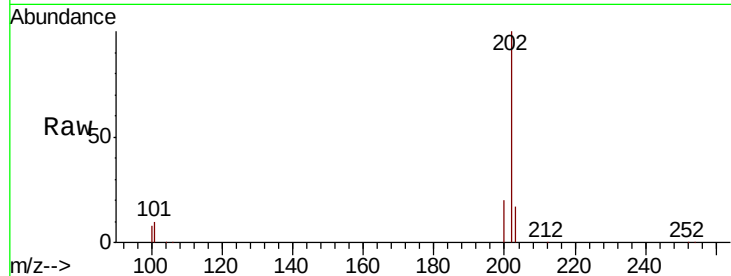




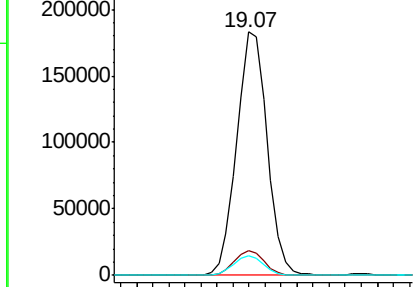
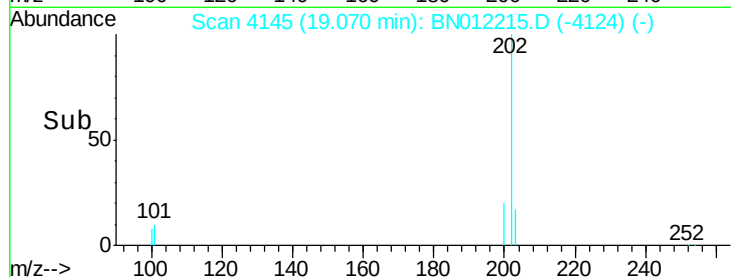
#15
 Fluoranthene
 Concen: 10.463 ng/ul
 RT: 19.07 min Scan# 4145
 Delta R.T. -0.00 min
 Lab File: BN012215.D
 Acq: 15 Oct 2020 04:10

Instrument :
 BNA_N
 ClientSampleId :

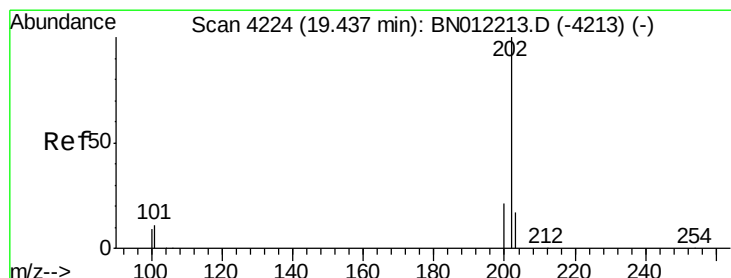
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.0
100	8.0	0.0	28.7



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

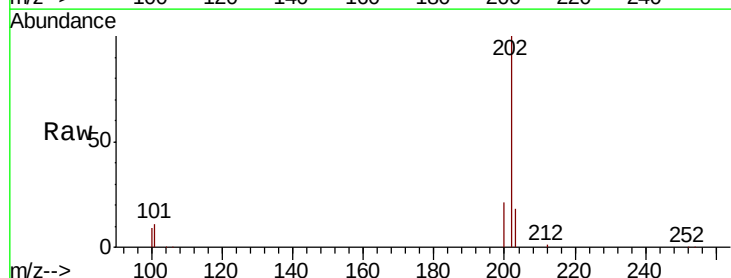


Time-->

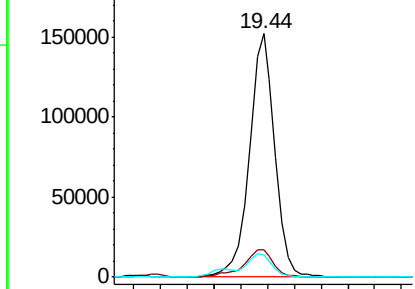
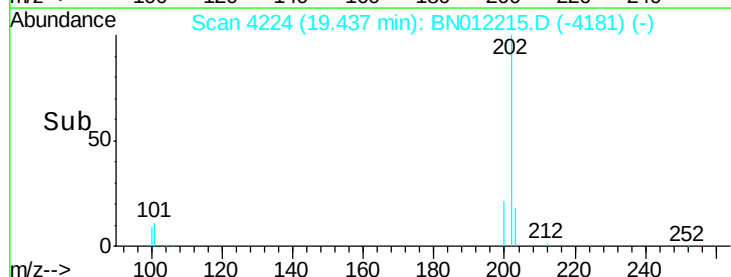


#17
 Pyrene
 Concen: 7.034 ng/ul
 RT: 19.44 min Scan# 4224
 Delta R.T. 0.00 min
 Lab File: BN012215.D
 Acq: 15 Oct 2020 04:10

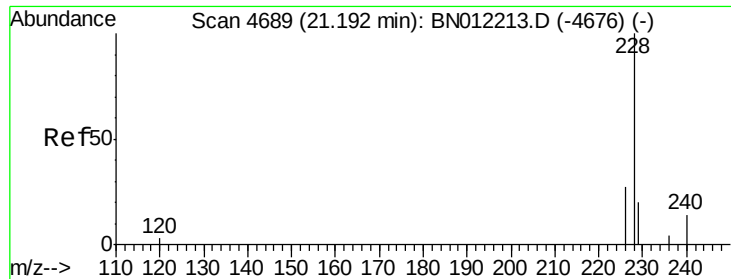
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	9.9	14.9
100	9.3	8.0	12.0



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



Time-->



#18

Benzo(a)anthracene

Concen: 5.800 ng/ul

RT: 21.19 min Scan# 4688

Delta R.T. -0.00 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

Instrument :

BNA_N

ClientSampleId :

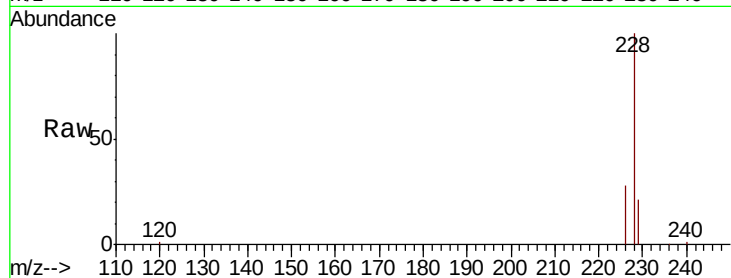
Tot Ion:228 Resp: 135205

Ion Ratio Lower Upper

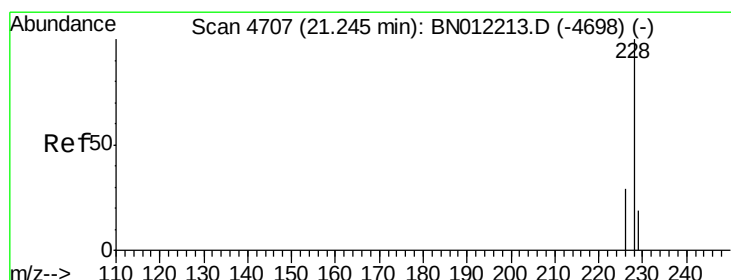
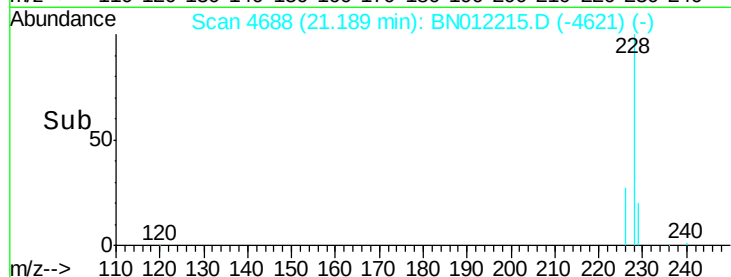
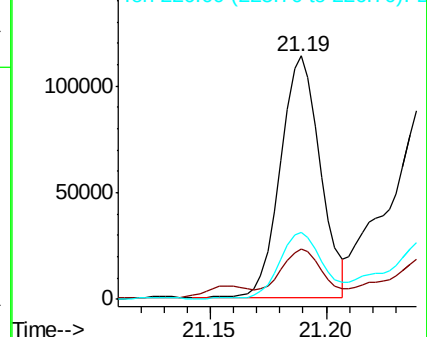
228 100

229 20.8 15.8 23.8

226 27.7 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: 5.167 ng/ul

RT: 21.24 min Scan# 4706

Delta R.T. -0.00 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

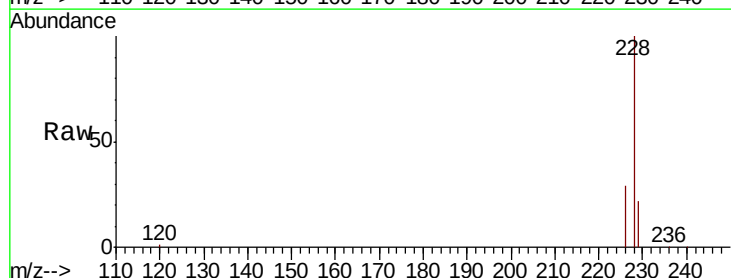
Tgt Ion:228 Resp: 146738

Ion Ratio Lower Upper

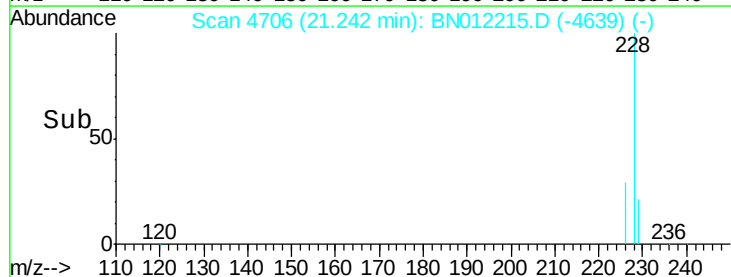
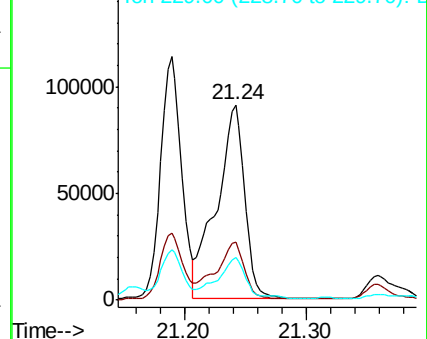
228 100

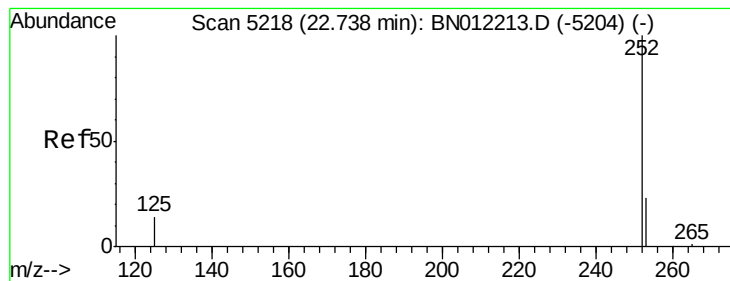
226 29.5 24.6 37.0

229 21.8 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: 19.614 ng/ul

RT: 22.74 min Scan# 5218

Delta R.T. 0.00 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

Instrument :

BNA_N

ClientSampleId :

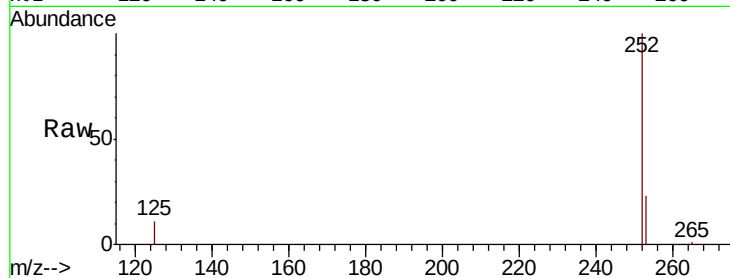
Tot Ion:252 Resp: 536972

Ion Ratio Lower Upper

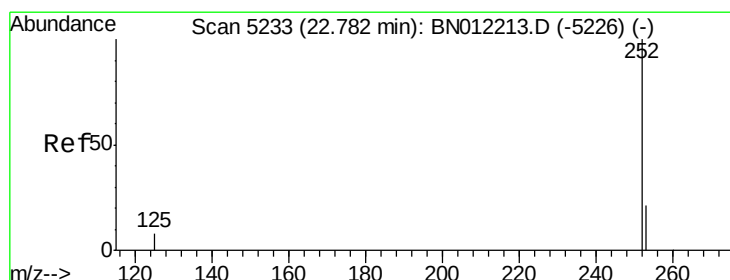
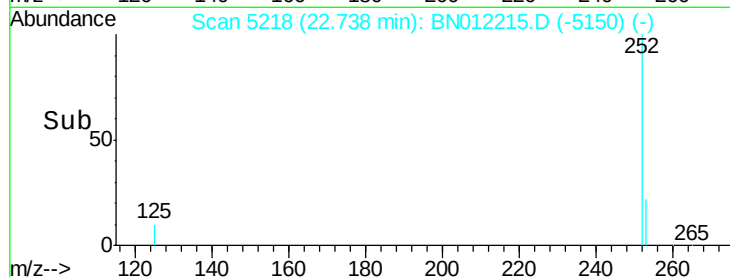
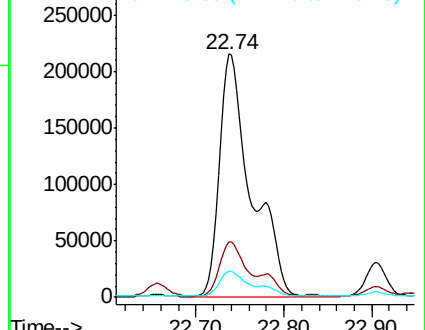
252 100

253 22.8 0.0 61.6

125 10.6 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: 1.577 ng/ul

RT: 22.90 min Scan# 5275

Delta R.T. 0.12 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

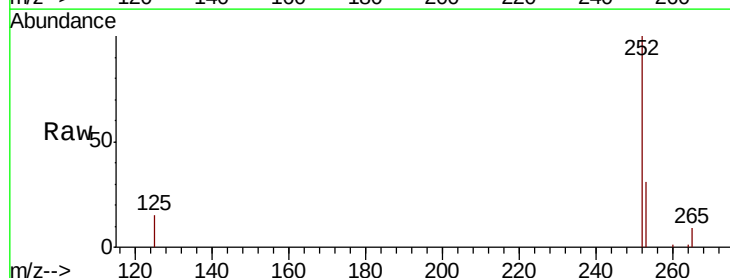
Tgt Ion:252 Resp: 47791

Ion Ratio Lower Upper

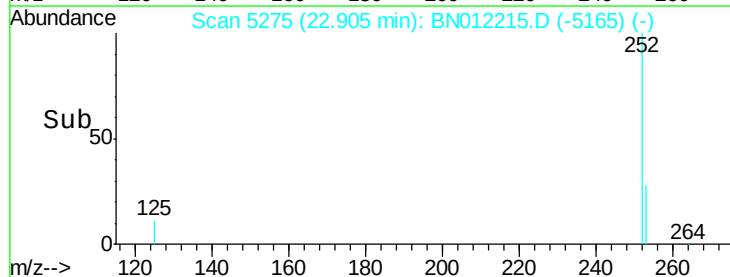
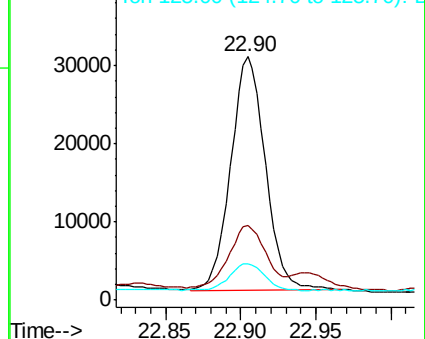
252 100

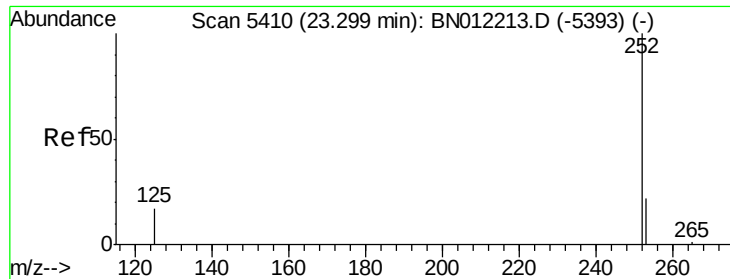
253 30.6 24.4 36.6

125 15.0 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: 8.777 ng/ul

RT: 23.30 min Scan# 5409

Delta R.T. -0.00 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

Instrument :

BNA_N

ClientSampleId :

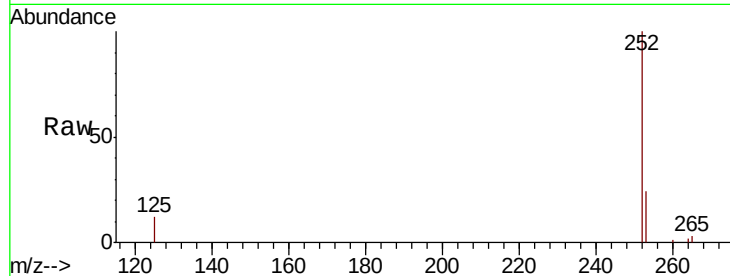
Tot Ion:252 Resp: 233767

Ion Ratio Lower Upper

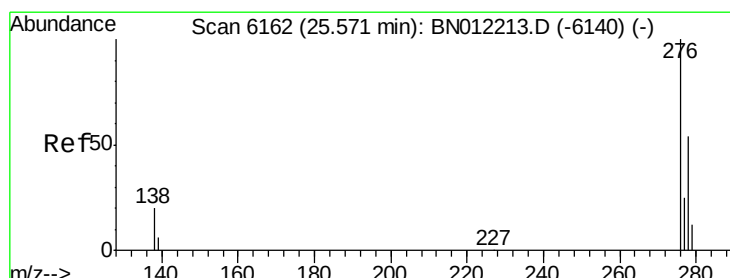
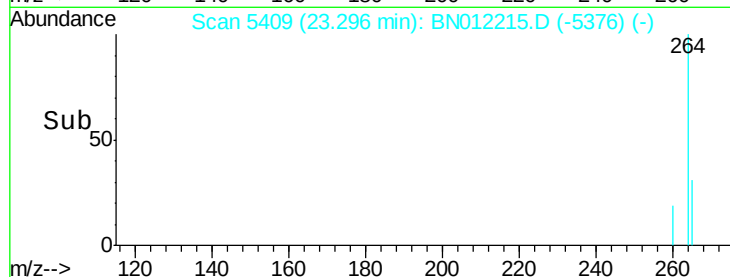
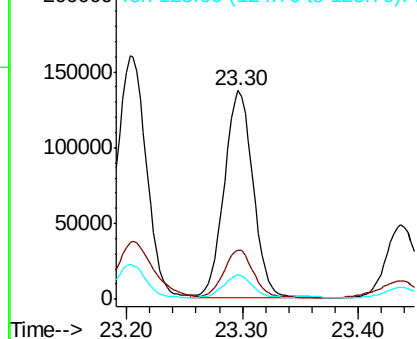
252 100

253 23.7 27.0 40.4#

125 11.6 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: 11.942 ng/ul

RT: 25.57 min Scan# 6163

Delta R.T. 0.00 min

Lab File: BN012215.D

Acq: 15 Oct 2020 04:10

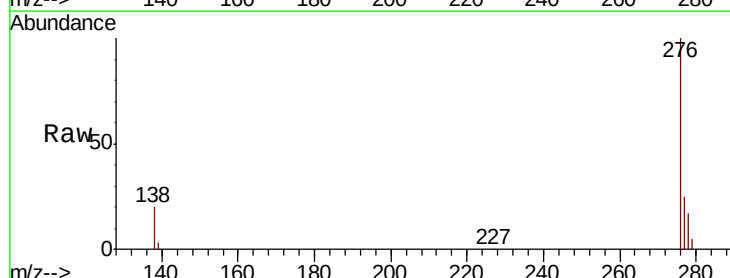
Tgt Ion:276 Resp: 408594

Ion Ratio Lower Upper

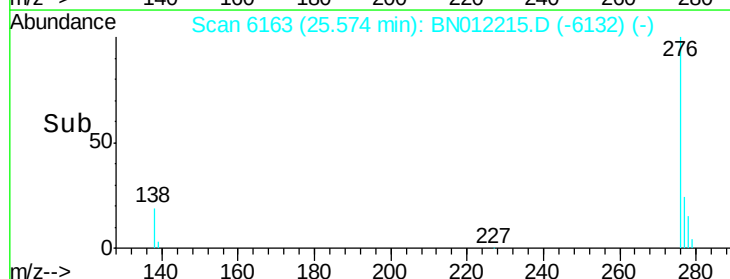
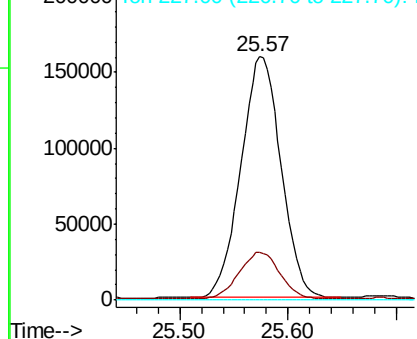
276 100

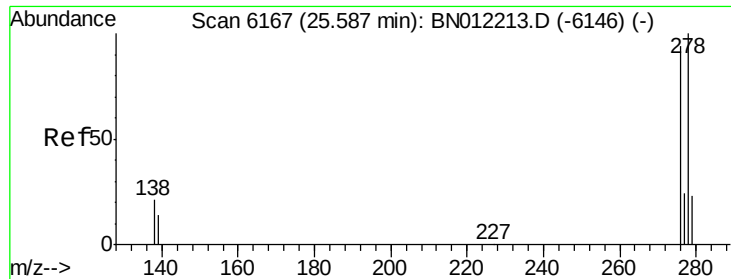
138 19.7 0.0 0.0#

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

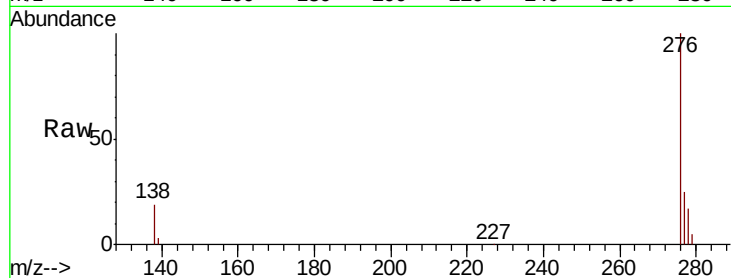




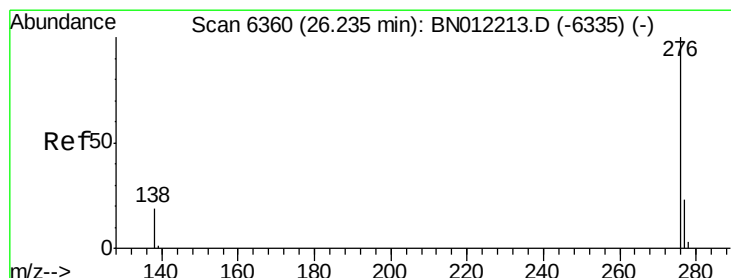
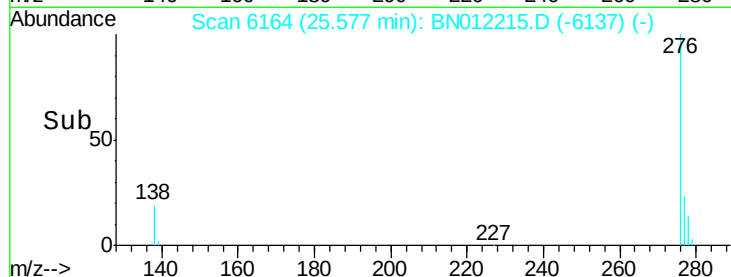
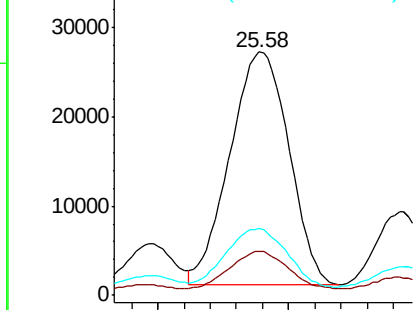
#25
Dibenzo(a,h)anthracene
Concen: 2.987 ng/ul
RT: 25.58 min Scan# 6164
Delta R.T. -0.01 min
Lab File: BN012215.D
Acq: 15 Oct 2020 04:10

Instrument :
BNA_N
ClientSampleId :

Tot Ion:278 Resp: 81760
Ion Ratio Lower Upper
278 100
139 17.9 15.7 23.5
279 27.3 26.0 39.0

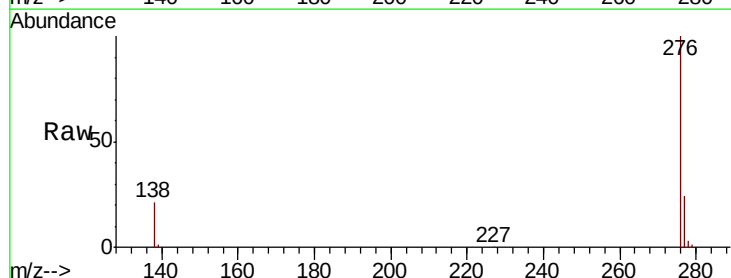


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 11.541 ng/ul
RT: 26.24 min Scan# 6363
Delta R.T. 0.01 min
Lab File: BN012215.D
Acq: 15 Oct 2020 04:10

Tgt Ion:276 Resp: 361916
Ion Ratio Lower Upper
276 100
138 20.9 17.1 25.7
277 23.9 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

