

Data File : BN008688.D
Acq On : 21 Nov 2019 21:39
Operator : JU
Sample : K5851-12DL 2X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0AB0DL

Quant Time: Nov 22 06:34:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 06:30:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	4034	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	14603	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.23	164	8563	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.97	188	17205	0.40	ng/ul	0.00
16) Chrysene-d12	21.17	240	14480	0.40	ng/ul	0.00
20) Perylene-d12	23.33	264	14843	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	5954	0.25	ng/ul	0.00
14) Fluoranthene-d10	19.01	212	25673	0.49	ng/ul	0.00

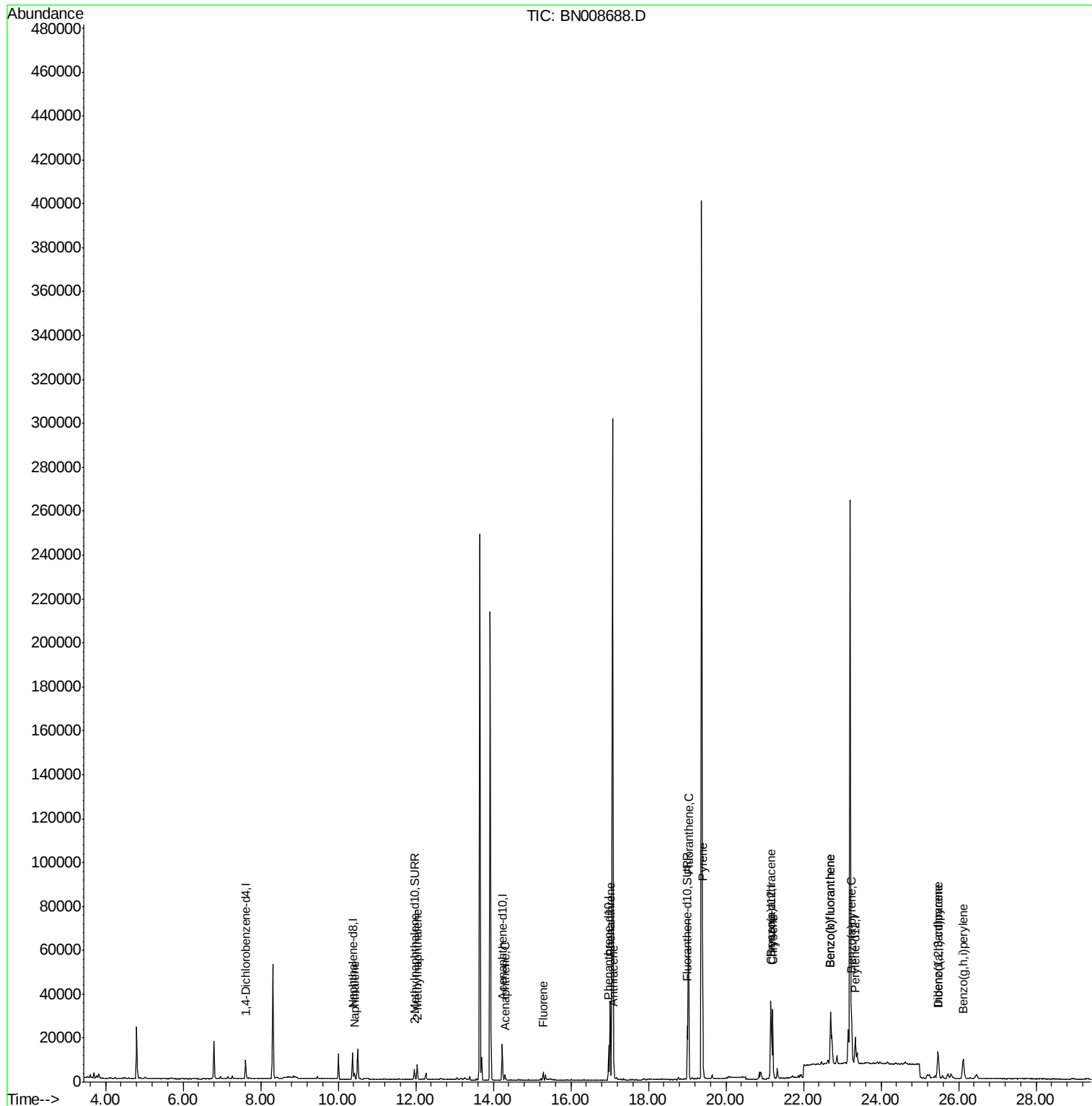
Target Compounds					Qvalue	
3) Naphthalene	10.42	128	3967	0.090	ng/ul	95
5) 2-Methylnaphthalene	12.04	142	4739	0.154	ng/ul	99
8) Acenaphthene	14.30	153	1616	0.046	ng/ul	98
9) Fluorene	15.29	166	2226	0.054	ng/ul#	97
12) Phenanthrene	17.02	178	36146	0.623	ng/ul	98
13) Anthracene	17.11	178	6998	0.128	ng/ul	98
15) Fluoranthene	19.04	202	59743	0.838	ng/ul	94
17) Pyrene	19.40	202	54299	0.935	ng/ul	96
18) Benzo(a)anthracene	21.15	228	27731	0.476	ng/ul	98
19) Chrysene	21.21	228	29546	0.517	ng/ul	97
21) Benzo(b)fluoranthene	22.70	252	49594	0.810	ng/ul	93
22) Benzo(k)fluoranthene	22.70	252	49594	0.817	ng/ul	96
23) Benzo(a)pyrene	23.24	252	25273	0.440	ng/ul#	95
24) Indeno(1,2,3-cd)pyrene	25.47	276	17498	0.260	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.48	278	4299	0.079	ng/ul#	61
26) Benzo(g,h,i)perylene	26.12	276	17832	0.317	ng/ul#	93

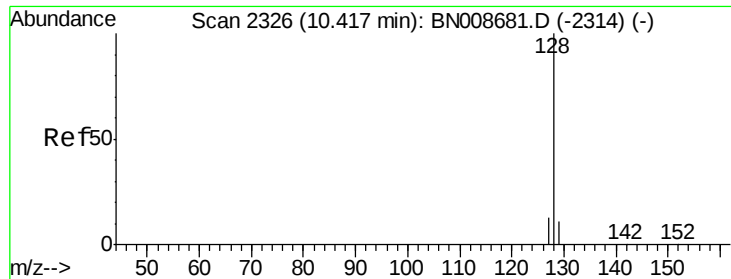
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.090 ng/ul

RT: 10.42 min Scan# 2326

Delta R.T. 0.00 min

Lab File: BN008688.D

Acq: 21 Nov 2019 21:39

Instrument :

BNA_N

ClientSampleId :

C0AB0DL

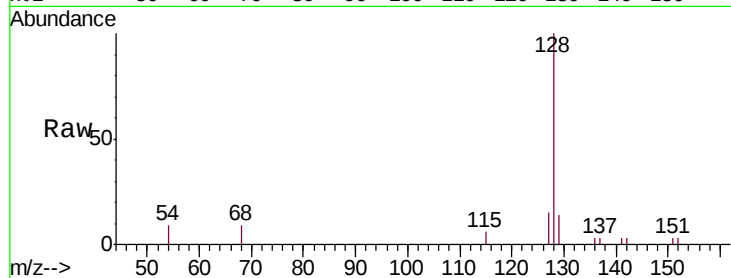
Tgt Ion:128 Resp: 3967

Ion Ratio Lower Upper

128 100

129 13.9 9.7 14.5

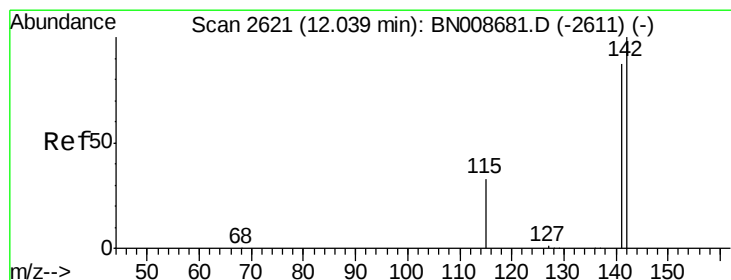
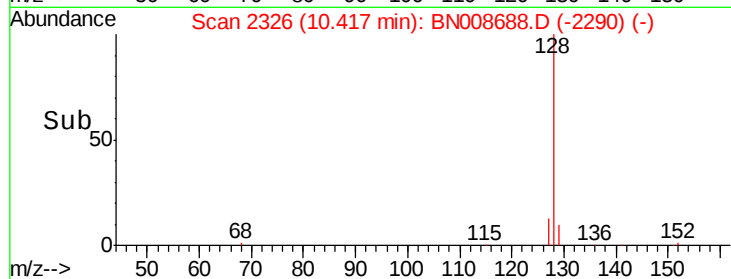
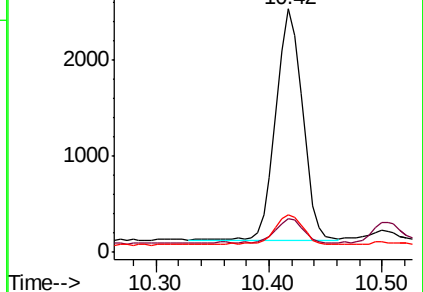
127 15.4 10.8 16.2



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: 0.154 ng/ul

RT: 12.04 min Scan# 2621

Delta R.T. 0.00 min

Lab File: BN008688.D

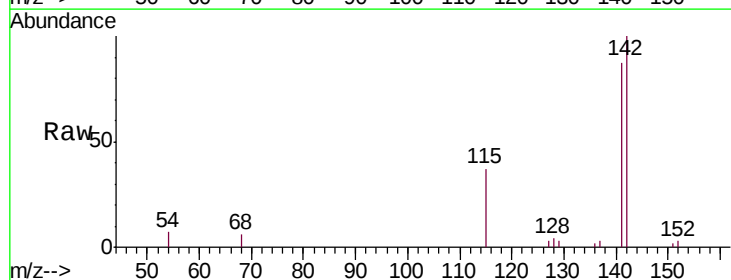
Acq: 21 Nov 2019 21:39

Tgt Ion:142 Resp: 4739

Ion Ratio Lower Upper

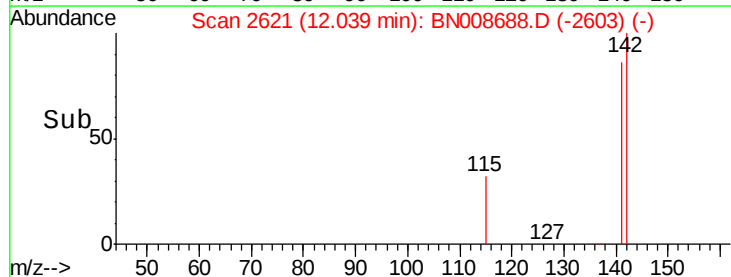
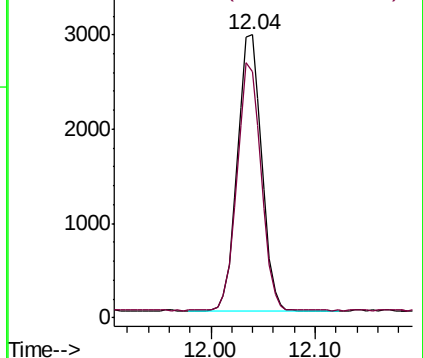
142 100

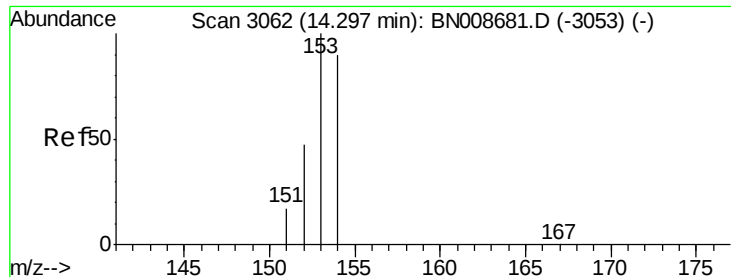
141 88.8 70.5 105.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthene

Concen: 0.046 ng/ul

RT: 14.30 min Scan# 3062

Delta R.T. 0.00 min

Lab File: BN008688.D

Acq: 21 Nov 2019 21:39

Instrument :

BNA_N

ClientSampled :

COAB0DL

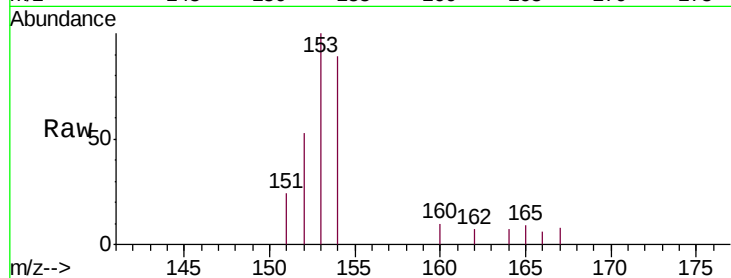
Tgt Ion:153 Resp: 1616

Ion Ratio Lower Upper

153 100

152 53.0 39.6 59.4

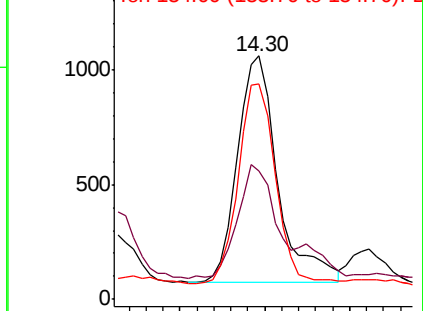
154 88.7 70.6 106.0



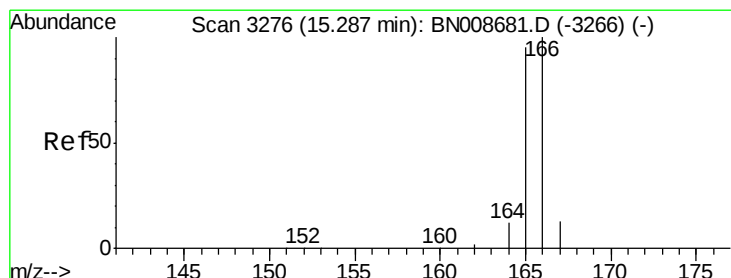
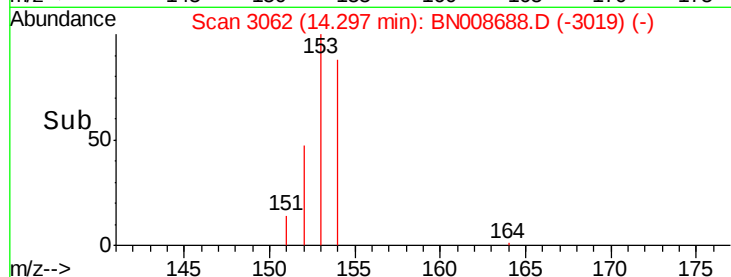
Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->



#9

Fluorene

Concen: 0.054 ng/ul

RT: 15.29 min Scan# 3276

Delta R.T. 0.00 min

Lab File: BN008688.D

Acq: 21 Nov 2019 21:39

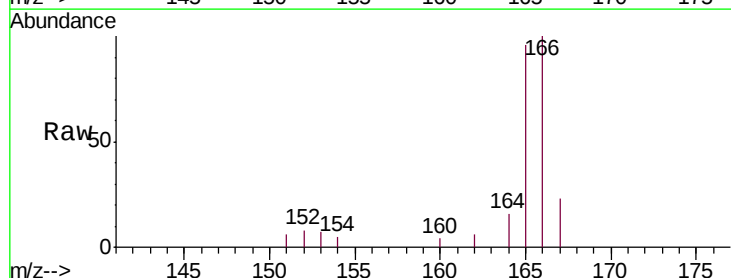
Tgt Ion:166 Resp: 2226

Ion Ratio Lower Upper

166 100

165 96.2 77.4 116.0

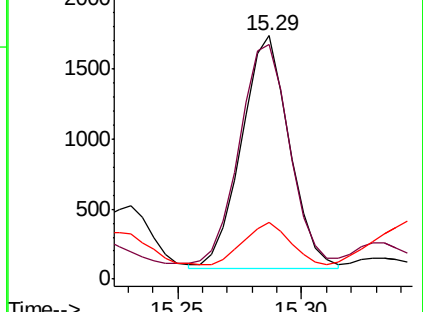
167 23.5 11.4 17.0#



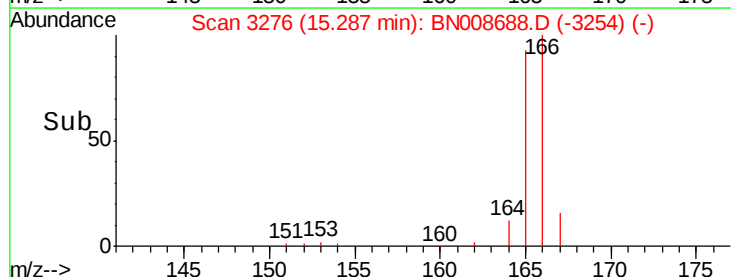
Abundance Ion 166.00 (165.70 to 166.70): E

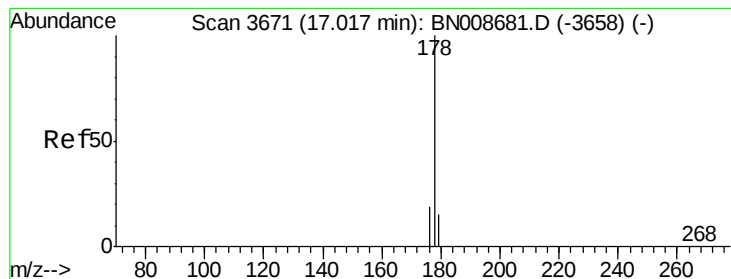
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



Time-->





#12

Phenanthrene

Concen: 0.623 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. 0.00 min

Lab File: BN008688.D

Acq: 21 Nov 2019 21:39

Instrument :

BNA_N

ClientSampleId :

C0AB0DL

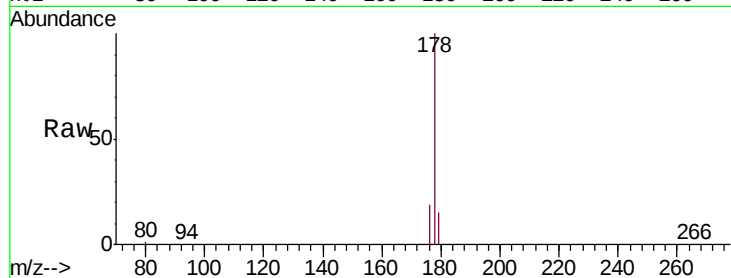
Tgt Ion:178 Resp: 36146

Ion Ratio Lower Upper

178 100

179 15.5 12.8 19.2

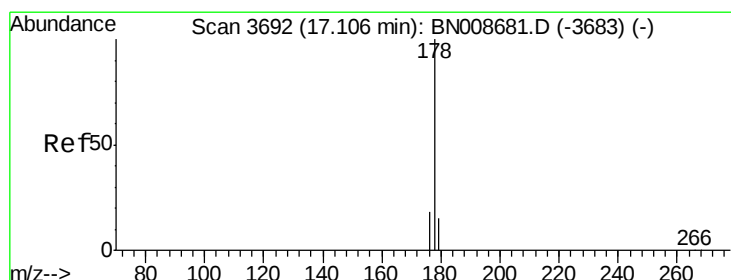
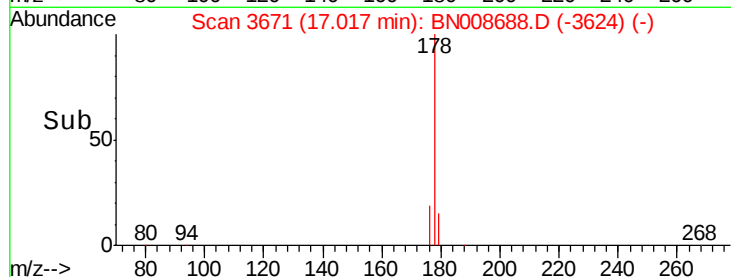
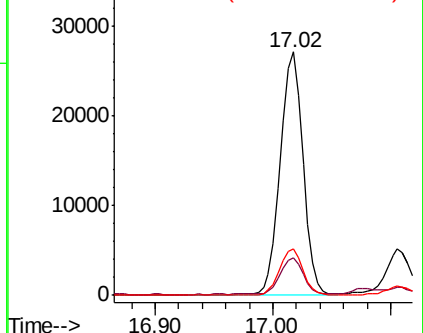
176 18.9 16.0 24.0



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



#13

Anthracene

Concen: 0.128 ng/ul

RT: 17.11 min Scan# 3692

Delta R.T. 0.00 min

Lab File: BN008688.D

Acq: 21 Nov 2019 21:39

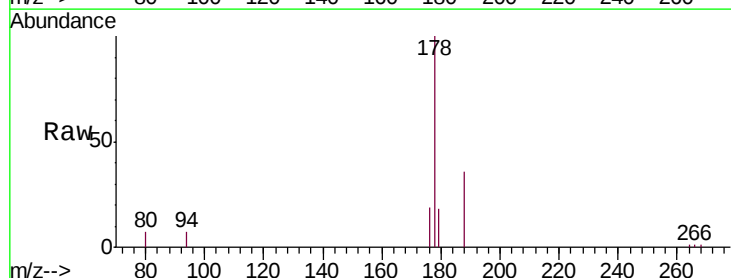
Tgt Ion:178 Resp: 6998

Ion Ratio Lower Upper

178 100

179 17.9 13.0 19.4

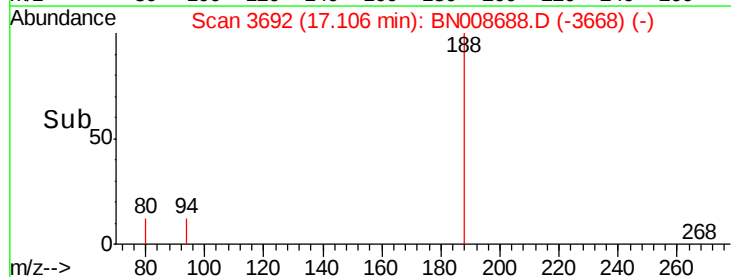
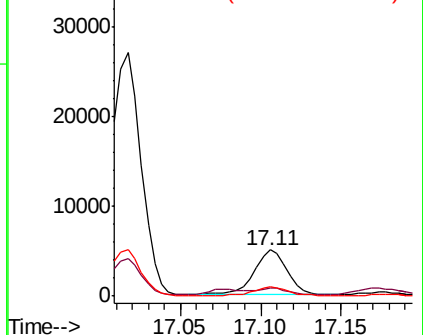
176 19.0 15.3 22.9

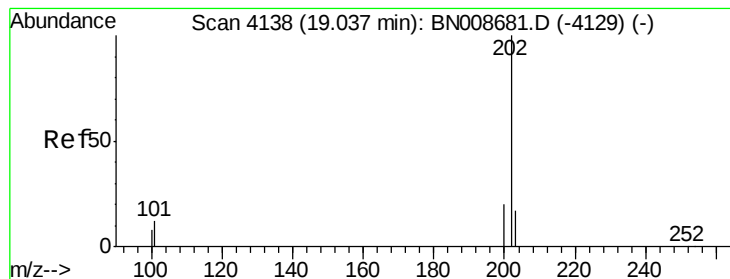


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.838 ng/ul

RT: 19.04 min Scan# 4138

Delta R.T. 0.00 min

Lab File: BN008688.D

Acq: 21 Nov 2019 21:39

Instrument :

BNA_N

ClientSampleId :

C0AB0DL

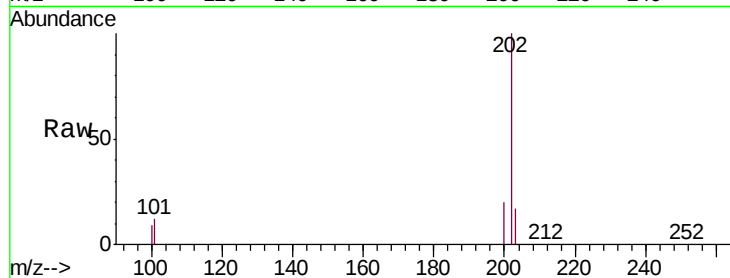
Tgt Ion:202 Resp: 59743

Ion Ratio Lower Upper

202 100

101 11.9 0.0 29.6

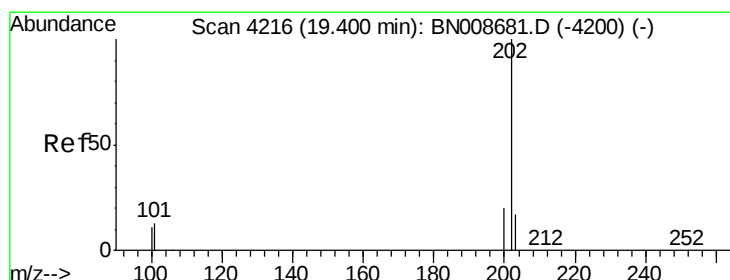
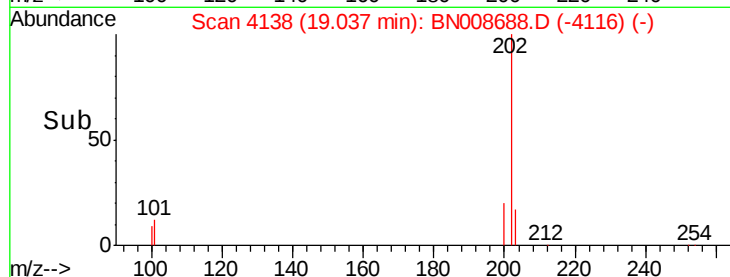
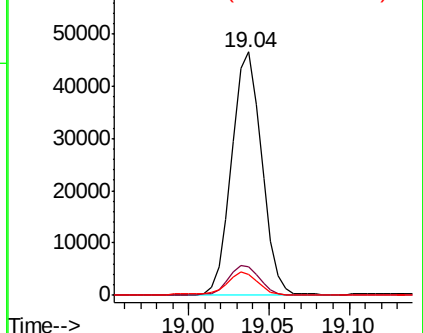
100 8.8 0.0 27.0



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



#17

Pyrene

Concen: 0.935 ng/ul

RT: 19.40 min Scan# 4216

Delta R.T. 0.00 min

Lab File: BN008688.D

Acq: 21 Nov 2019 21:39

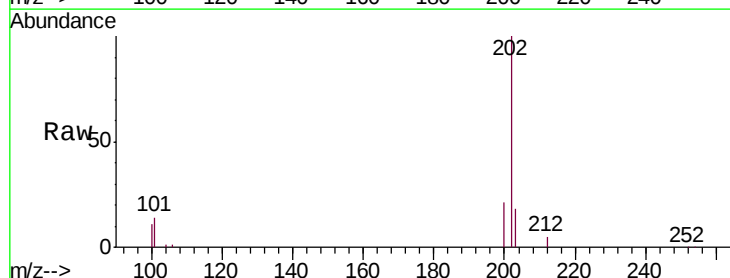
Tgt Ion:202 Resp: 54299

Ion Ratio Lower Upper

202 100

101 14.3 10.2 15.2

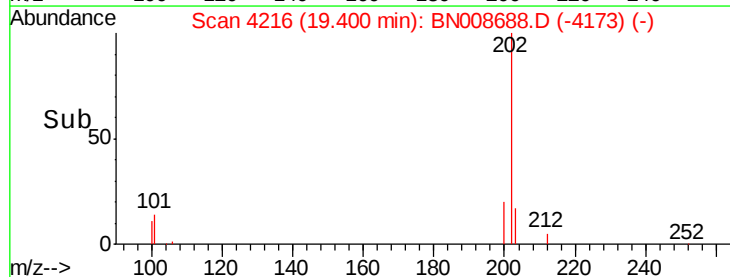
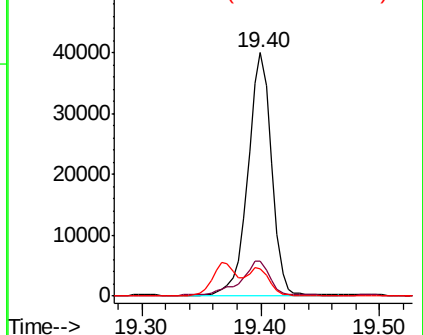
100 11.4 8.2 12.2

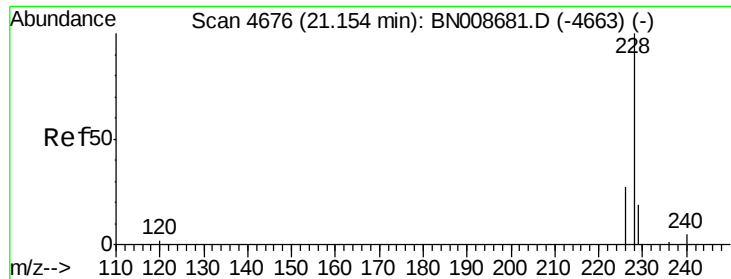


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.476 ng/ul

RT: 21.15 min Scan# 4676

Delta R.T. 0.00 min

Lab File: BN008688.D

Acq: 21 Nov 2019 21:39

Instrument :

BNA_N

ClientSampleId :

C0AB0DL

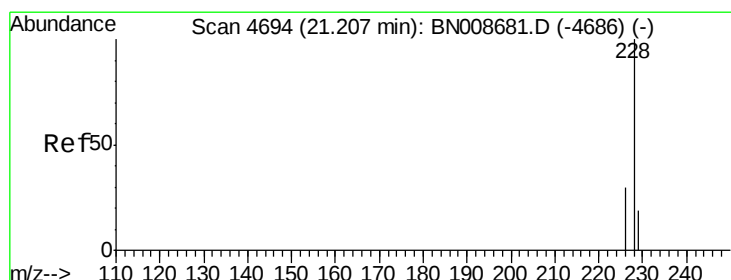
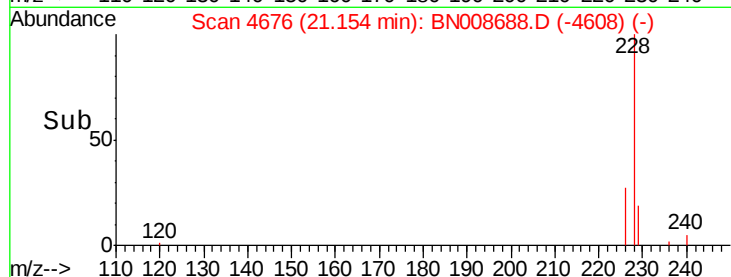
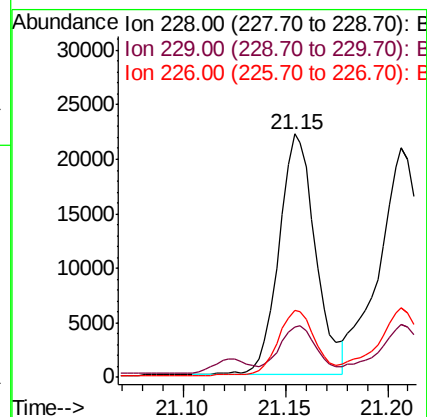
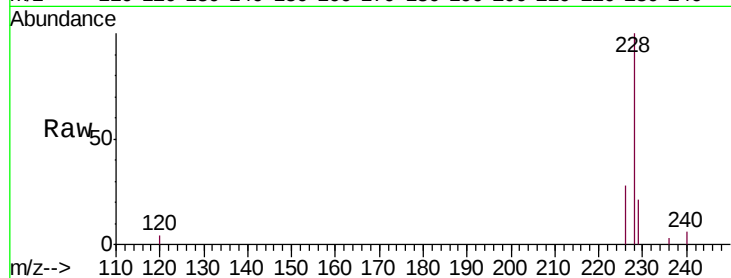
Tgt Ion:228 Resp: 27731

Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.6

226 27.7 21.6 32.4



#19

Chrysene

Concen: 0.517 ng/ul

RT: 21.21 min Scan# 4694

Delta R.T. 0.00 min

Lab File: BN008688.D

Acq: 21 Nov 2019 21:39

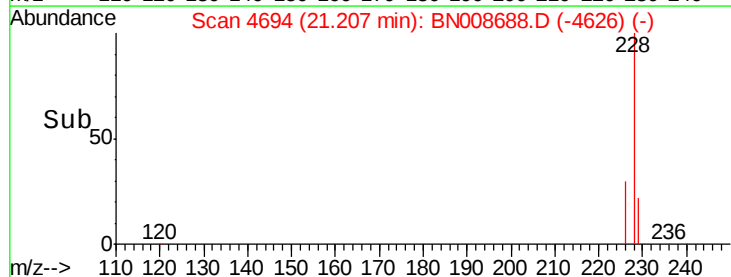
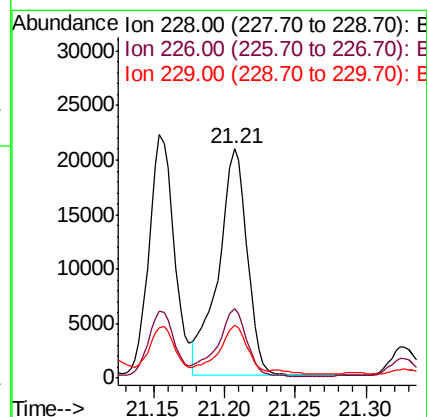
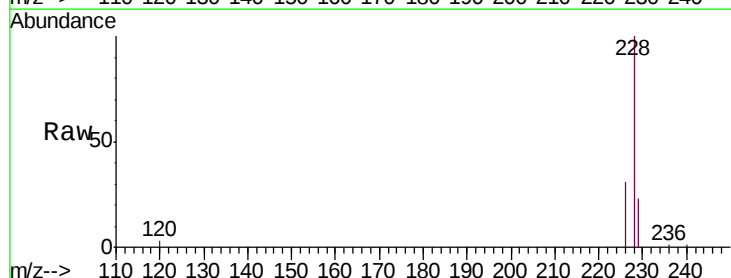
Tgt Ion:228 Resp: 29546

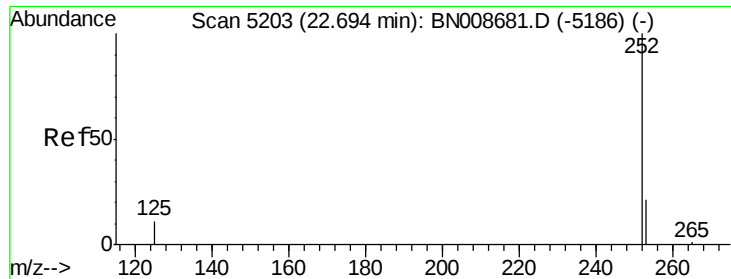
Ion Ratio Lower Upper

228 100

226 30.5 24.5 36.7

229 22.8 15.5 23.3





#21

Benzo(b)fluoranthene

Concen: 0.810 ng/ul

RT: 22.70 min Scan# 5204

Delta R.T. 0.00 min

Lab File: BN008688.D

Acq: 21 Nov 2019 21:39

Instrument :

BNA_N

ClientSampleId :

C0AB0DL

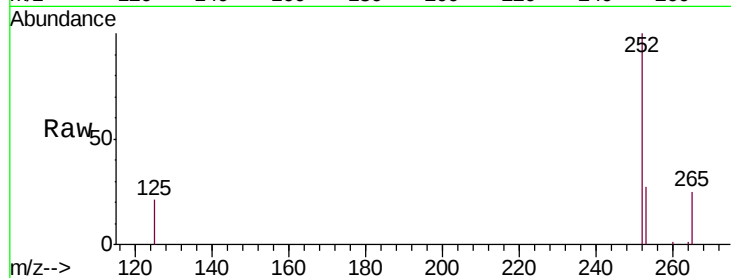
Tgt Ion:252 Resp: 49594

Ion Ratio Lower Upper

252 100

253 26.5 0.0 50.2

125 21.4 0.0 30.0

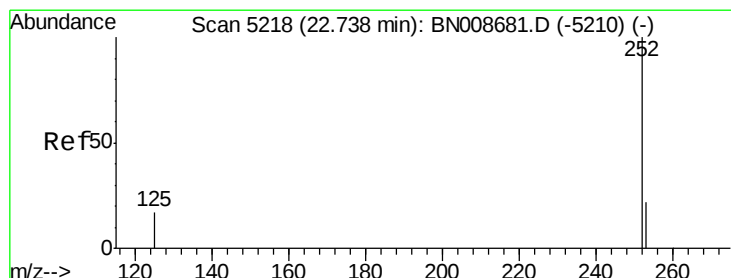
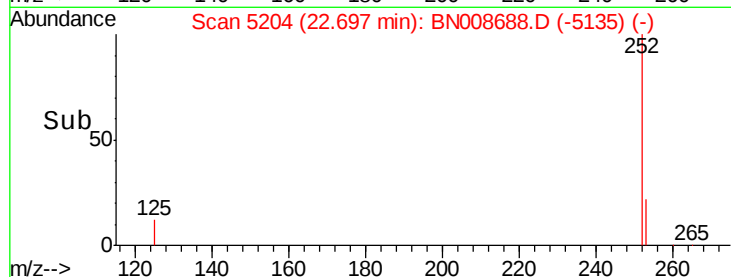
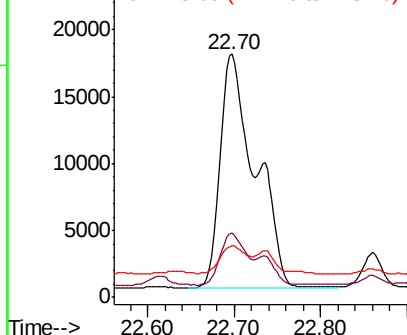


Abundance

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: 0.817 ng/ul

RT: 22.70 min Scan# 5204

Delta R.T. -0.04 min

Lab File: BN008688.D

Acq: 21 Nov 2019 21:39

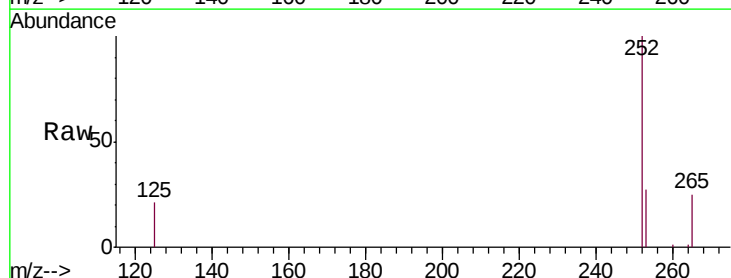
Tgt Ion:252 Resp: 49594

Ion Ratio Lower Upper

252 100

253 26.5 20.5 30.7

125 21.4 15.0 22.4

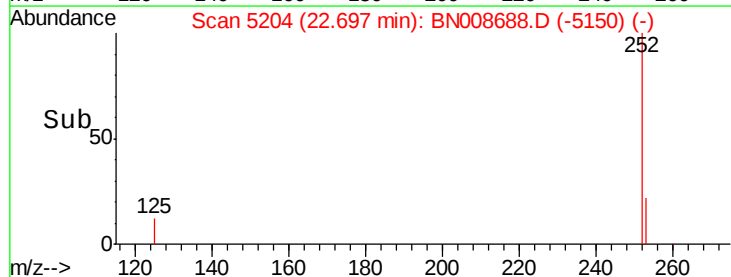
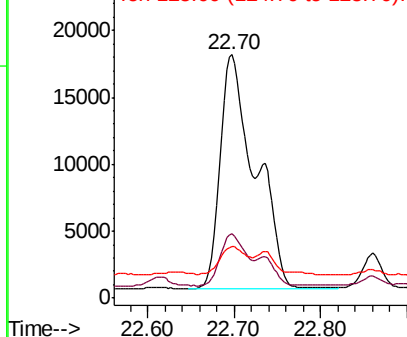


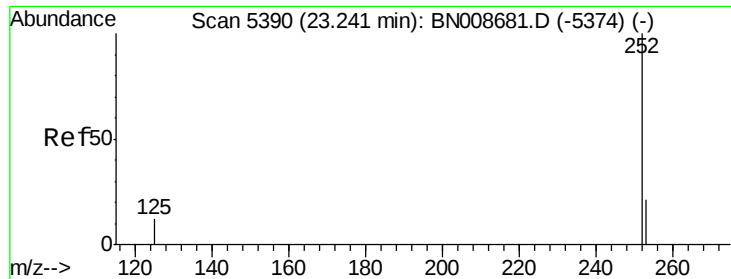
Abundance

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: 0.440 ng/u1

RT: 23.24 min Scan# 5390

Delta R.T. 0.00 min

Lab File: BN008688.D

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Instrument :

BNA_N

ClientSampleId :

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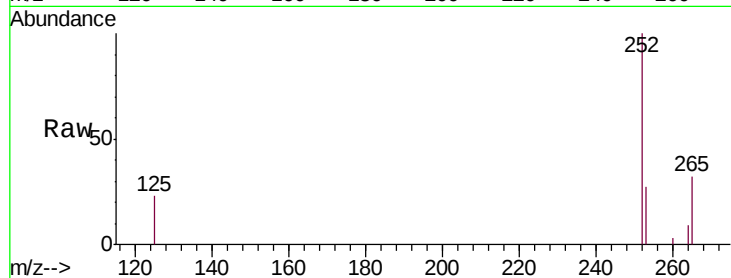
Tgt Ion:252 Resp: 25273

Ion Ratio Lower Upper

252 100

253 26.6 21.4 32.2

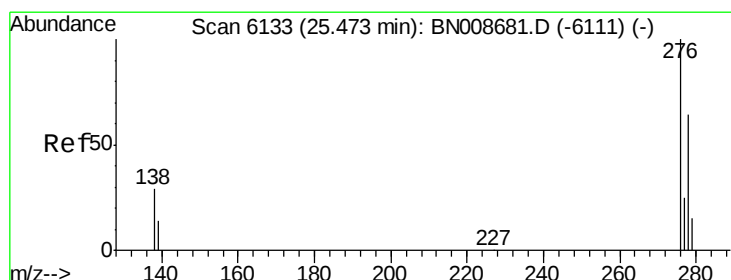
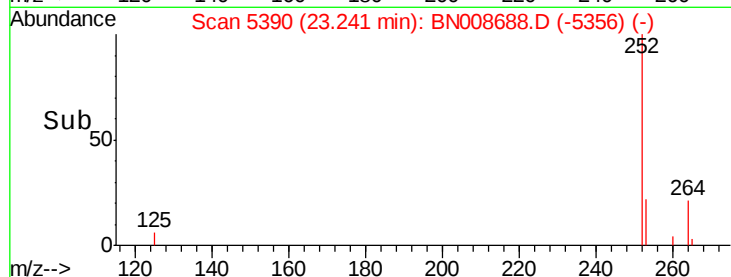
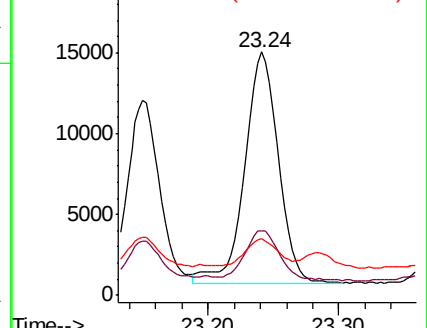
125 23.1 13.8 20.8#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.260 ng/u1

RT: 25.47 min Scan# 6131

Delta R.T. -0.01 min

Lab File: BN008688.D

Acq: 21 Nov 2019 21:39

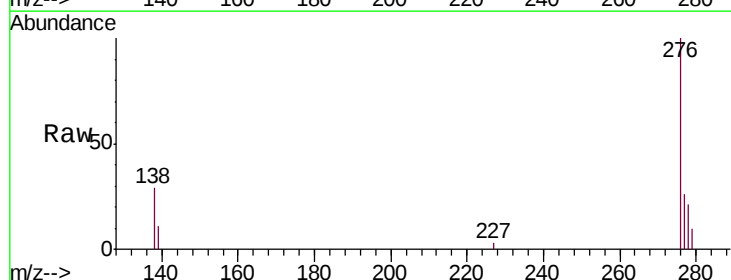
Tgt Ion:276 Resp: 17498

Ion Ratio Lower Upper

276 100

138 26.8 21.7 32.5

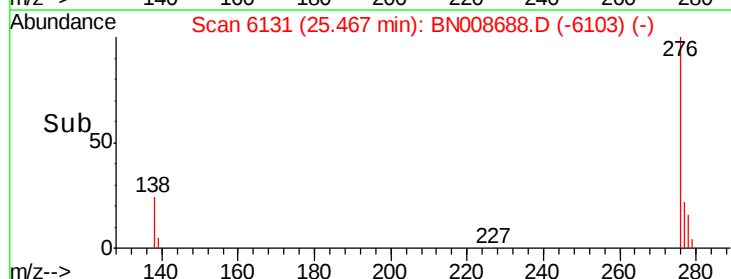
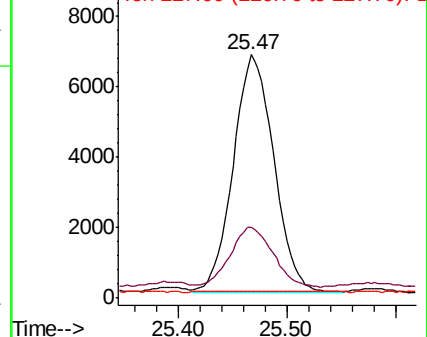
227 0.1 0.2 0.2#

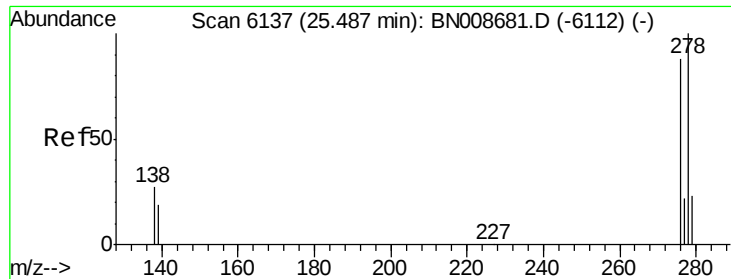


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E

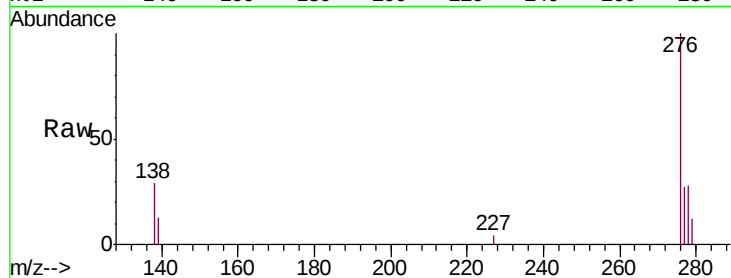




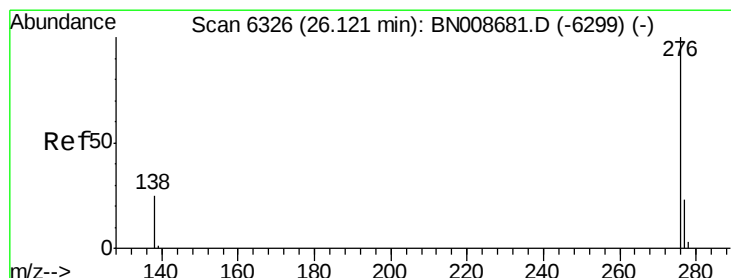
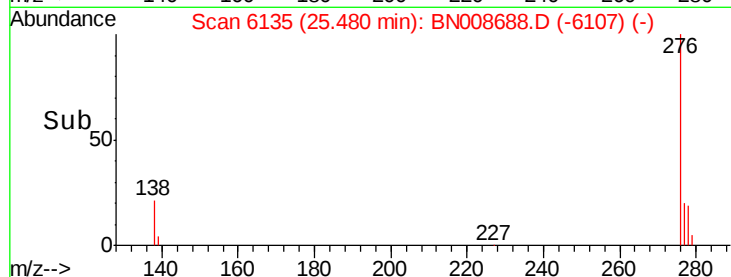
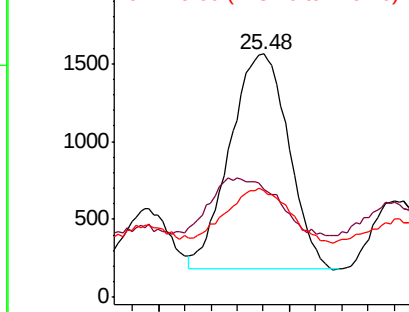
#25
Dibenzo(a,h)anthracene
Concen: 0.079 ng/ul
RT: 25.48 min Scan# 6135
Delta R.T. -0.01 min
Lab File: BN008688.D
Acq: 21 Nov 2019 21:39

Instrument :
BNA_N
ClientSampleId :
C0AB0DL

Tgt Ion: 278 Resp: 4299
Ion Ratio Lower Upper
278 100
139 44.6 18.7 28.1#
279 43.6 20.8 31.2#

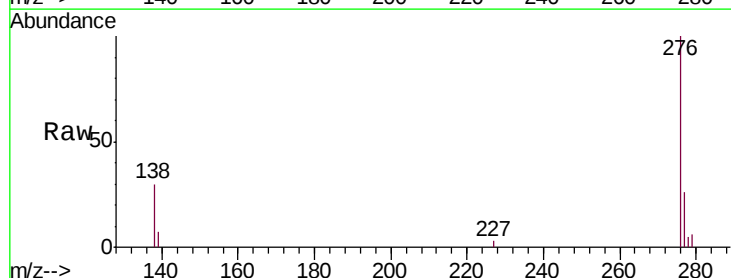


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.317 ng/ul
RT: 26.12 min Scan# 6326
Delta R.T. 0.00 min
Lab File: BN008688.D
Acq: 21 Nov 2019 21:39

Tgt Ion: 276 Resp: 17832
Ion Ratio Lower Upper
276 100
138 30.4 20.0 30.0#
277 26.2 20.0 30.0



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

