

Data File : BN004088.D
Acq On : 18 Dec 2018 21:59
Operator : JU/SJ
Sample : J6271-03DL 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F9F10DL

Quant Time: Dec 19 04:12:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN111918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 19 04:08:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	1682	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	8077	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	5013	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.21	188	12380	0.40	ng/ul	0.00
16) Chrysene-d12	21.40	240	13323	0.40	ng/ul	0.00
20) Perylene-d12	23.72	264	14846	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.22	152	689	0.06	ng/ul	0.00
14) Fluoranthene-d10	19.24	212	2342	0.06	ng/ul	0.00

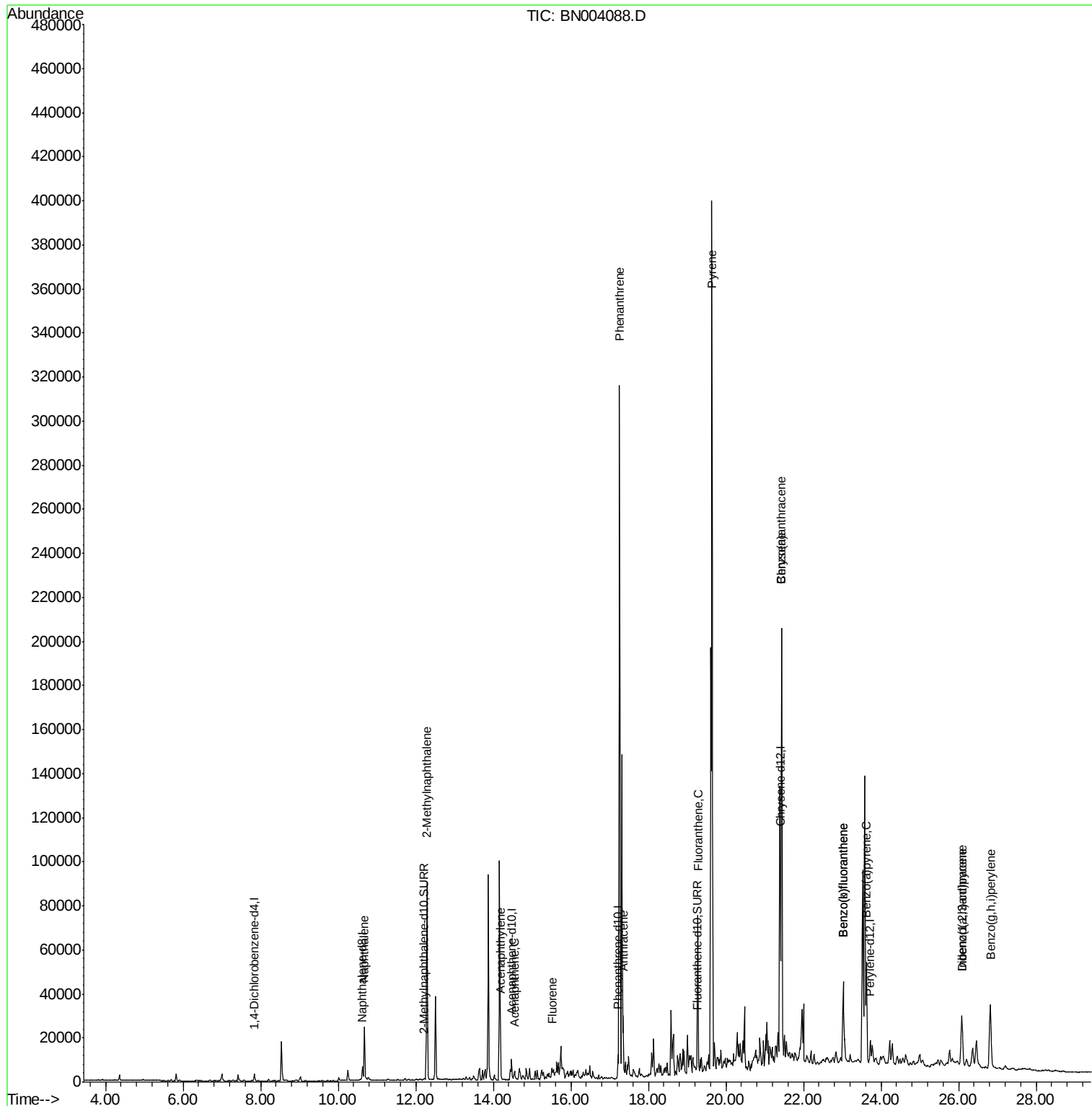
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.68	128	32909	1.451	ng/ul	99
5) 2-Methylnaphthalene	12.29	142	63155	3.987	ng/ul	100
7) Acenaphthylene	14.19	152	1779	0.079	ng/ul#	51
8) Acenaphthene	14.53	153	2569	0.130	ng/ul	90
9) Fluorene	15.52	166	3299	0.143	ng/ul#	91
12) Phenanthrene	17.26	178	329719	8.115	ng/ul	99
13) Anthracene	17.35	178	25833	0.774	ng/ul	98
15) Fluoranthene	19.27	202	59682	1.244	ng/ul	94
17) Pyrene	19.64	202	312987	6.550	ng/ul	97
18) Benzo(a)anthracene	21.44	228	193859	4.607	ng/ul	92
19) Chrysene	21.44	228	193859	4.026	ng/ul	96
21) Benzo(b)fluoranthene	23.02	252	68187	1.110	ng/ul	90
22) Benzo(k)fluoranthene	23.02	252	68411	1.143	ng/ul#	91
23) Benzo(a)pyrene	23.62	252	65160	1.225	ng/ul#	95
24) Indeno(1,2,3-cd)pyrene	26.08	276	29667	0.486	ng/ul	97
25) Dibenzo(a,h)anthracene	26.08	278	20110	0.410	ng/ul#	57
26) Benzo(g,h,i)perylene	26.82	276	60827	1.148	ng/ul#	92

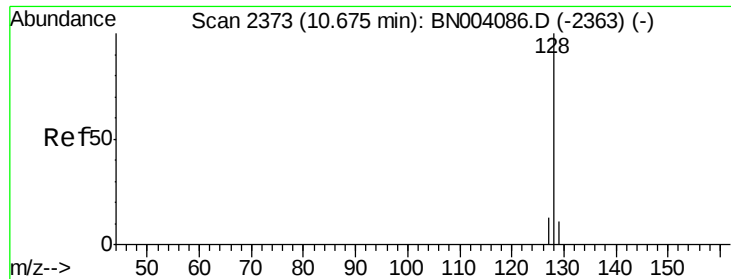
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 1.451 ng/ul

RT: 10.68 min Scan# 2373

Delta R.T. 0.00 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

Instrument :

BNA_N

ClientSampleId :

F9F10DL

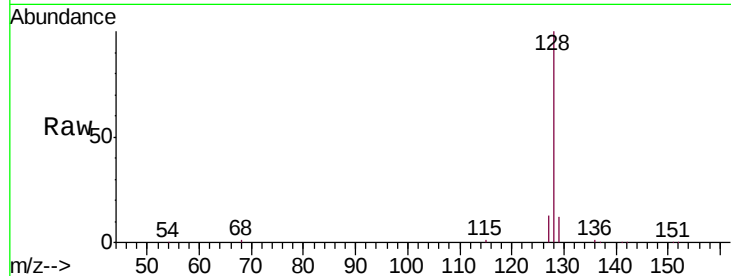
Tgt Ion:128 Resp: 32909

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

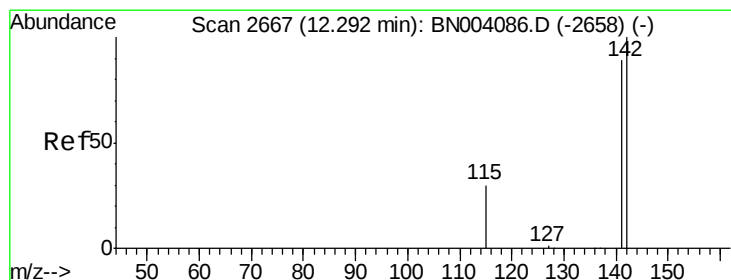
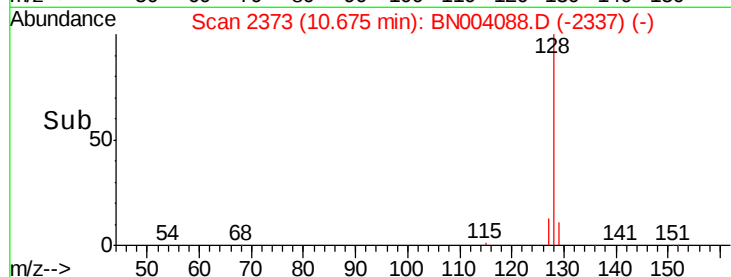
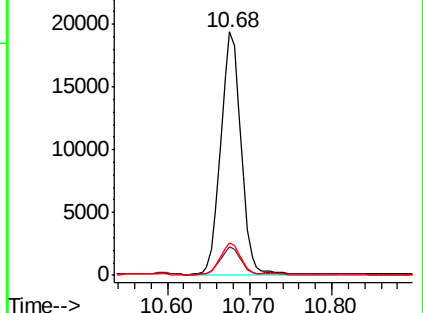
127 13.4 10.5 15.7



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: 3.987 ng/ul

RT: 12.29 min Scan# 2666

Delta R.T. -0.01 min

Lab File: BN004088.D

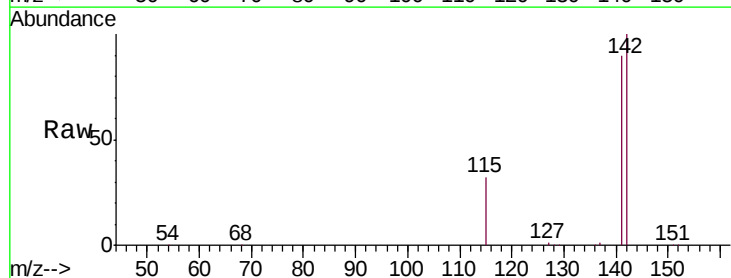
Acq: 18 Dec 2018 21:59

Tgt Ion:142 Resp: 63155

Ion Ratio Lower Upper

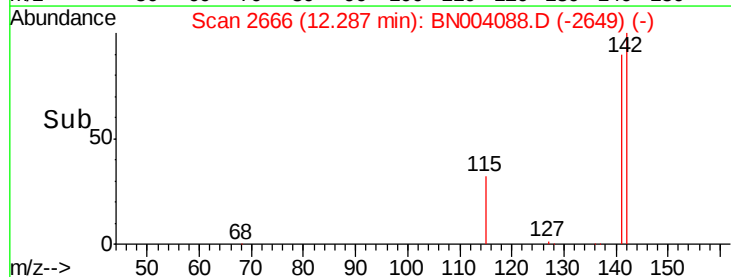
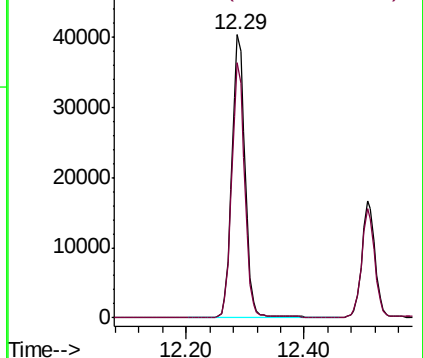
142 100

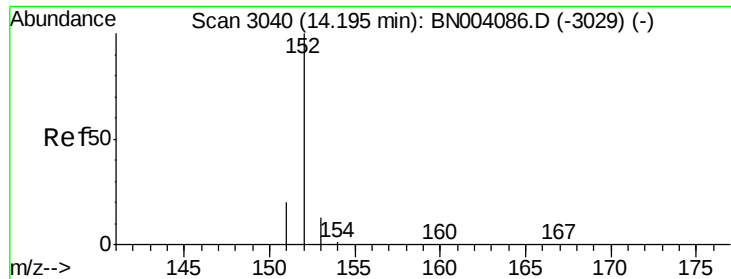
141 89.4 71.5 107.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.079 ng/ul

RT: 14.19 min Scan# 3039

Delta R.T. -0.00 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

Instrument :

BNA_N

ClientSampleId :

F9F10DL

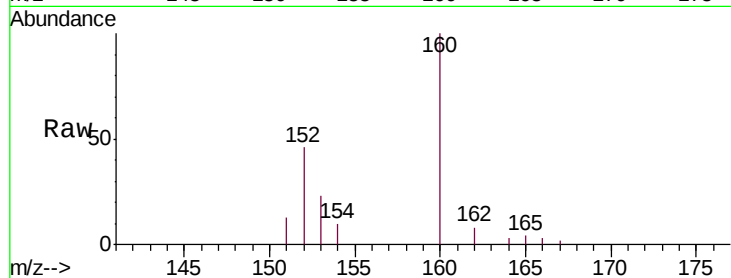
Tgt Ion:152 Resp: 1779

Ion Ratio Lower Upper

152 100

151 29.2 15.9 23.9#

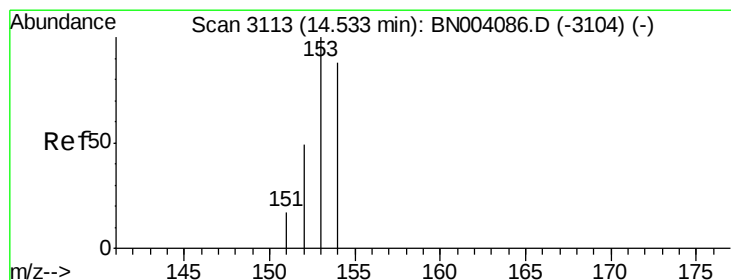
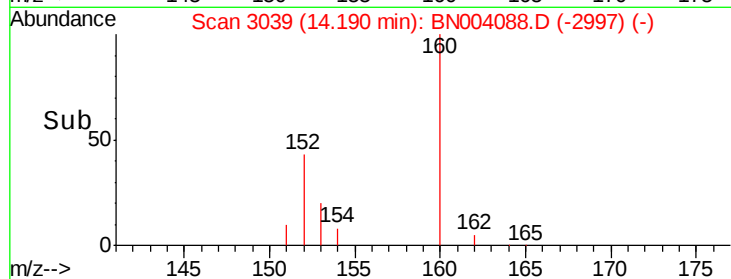
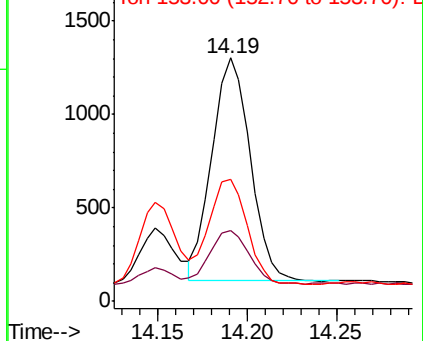
153 50.2 10.7 16.1#



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: 0.130 ng/ul

RT: 14.53 min Scan# 3113

Delta R.T. 0.00 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

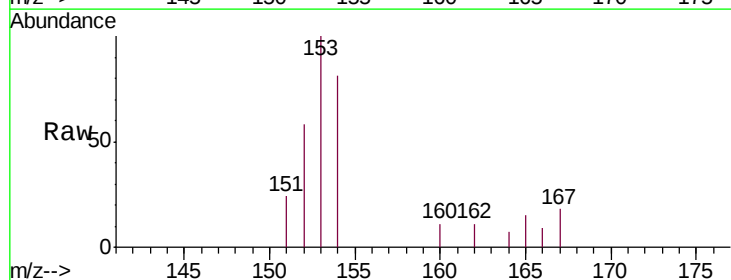
Tgt Ion:153 Resp: 2569

Ion Ratio Lower Upper

153 100

152 58.5 39.3 58.9

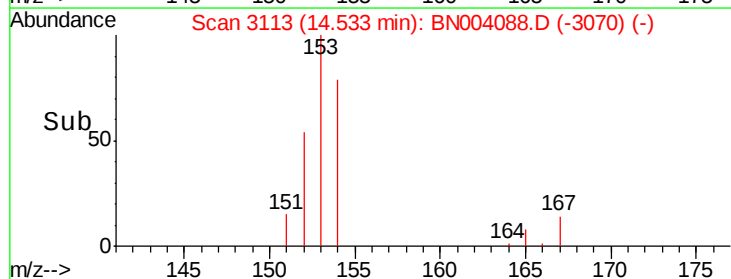
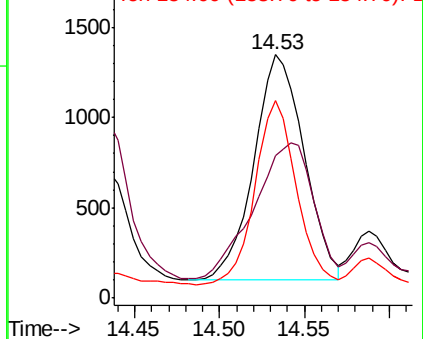
154 81.2 70.3 105.5

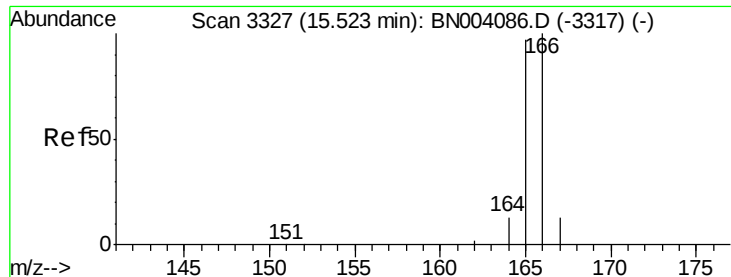


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.143 ng/ul

RT: 15.52 min Scan# 3326

Delta R.T. -0.00 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

Instrument :

BNA_N

ClientSampleId :

F9F10DL

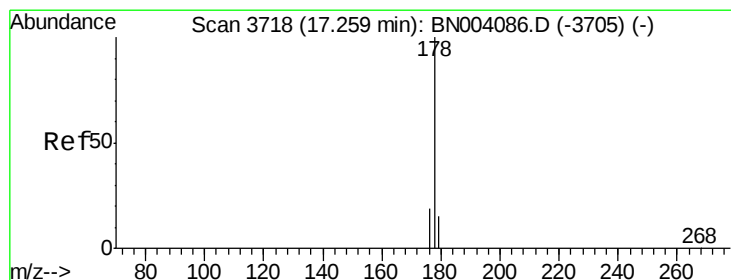
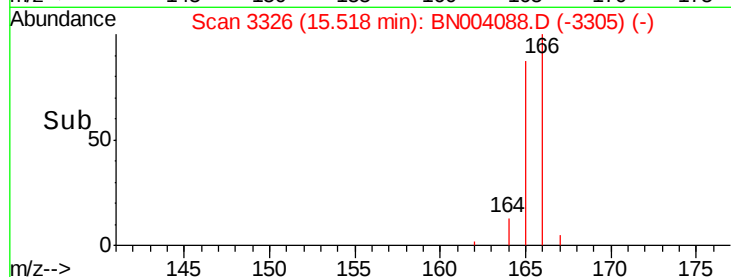
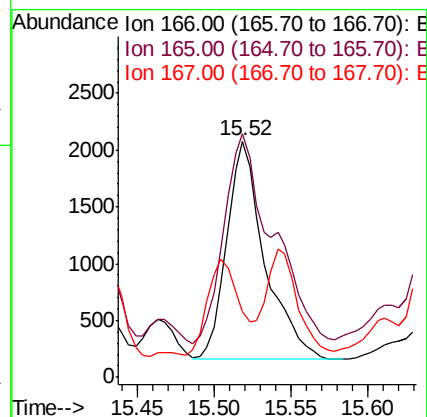
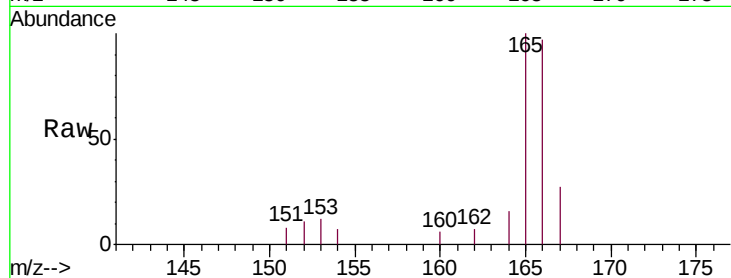
Tgt Ion:166 Resp: 3299

Ion Ratio Lower Upper

166 100

165 103.2 78.3 117.5

167 27.8 11.3 16.9#



#12

Phenanthrene

Concen: 8.115 ng/ul

RT: 17.26 min Scan# 3717

Delta R.T. -0.00 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

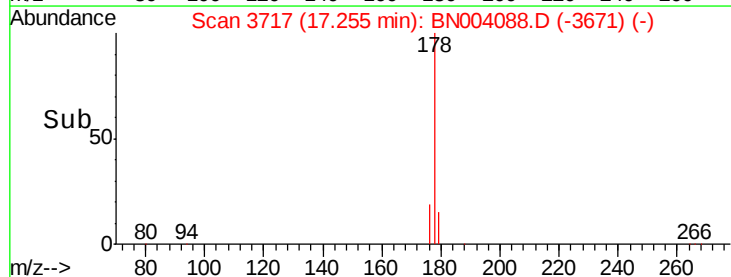
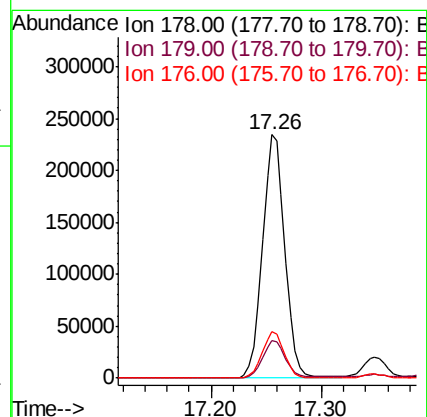
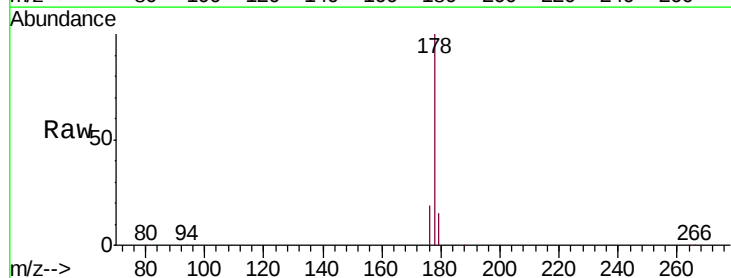
Tgt Ion:178 Resp: 329719

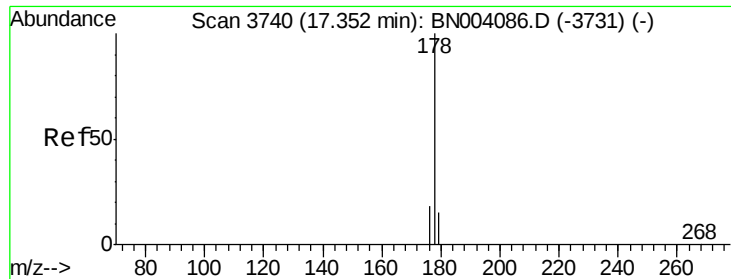
Ion Ratio Lower Upper

178 100

179 15.4 12.5 18.7

176 19.0 15.0 22.4





#13

Anthracene

Concen: 0.774 ng/ul

RT: 17.35 min Scan# 3739

Delta R.T. -0.00 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

Instrument :

BNA_N

ClientSampleId :

F9F10DL

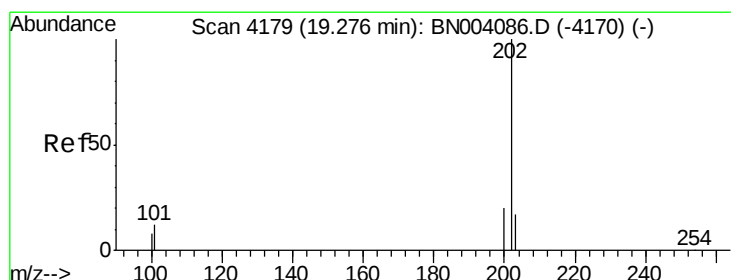
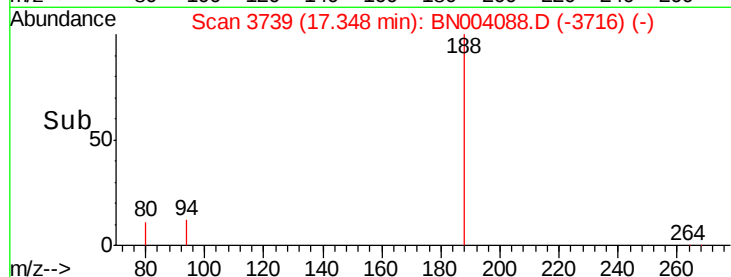
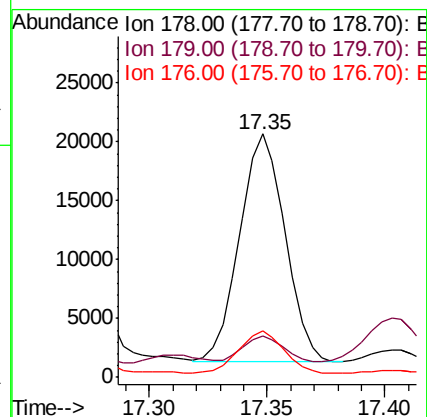
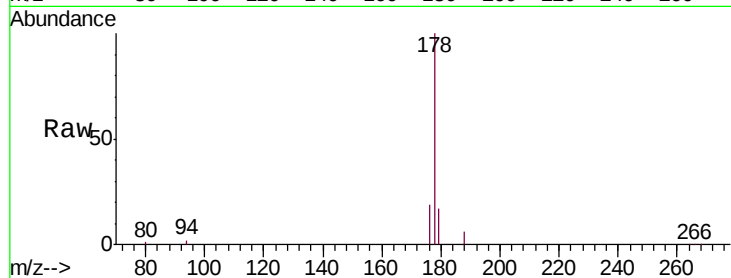
Tgt Ion:178 Resp: 25833

Ion Ratio Lower Upper

178 100

179 16.9 12.3 18.5

176 18.9 14.8 22.2



#15

Fluoranthene

Concen: 1.244 ng/ul

RT: 19.27 min Scan# 4178

Delta R.T. -0.00 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

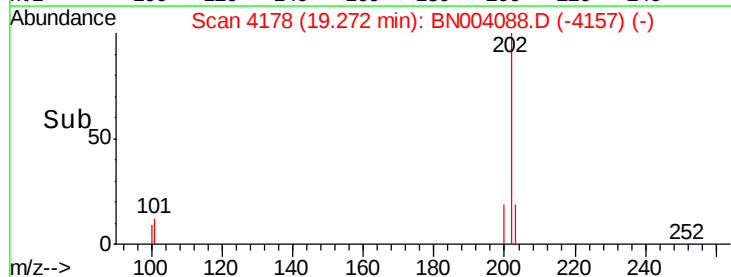
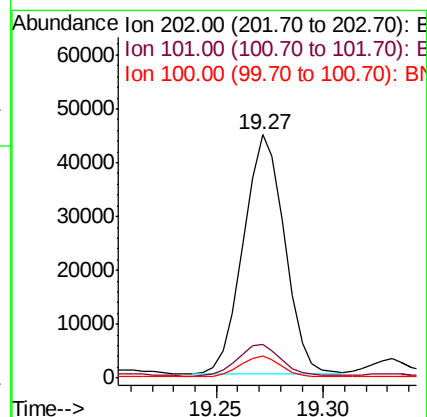
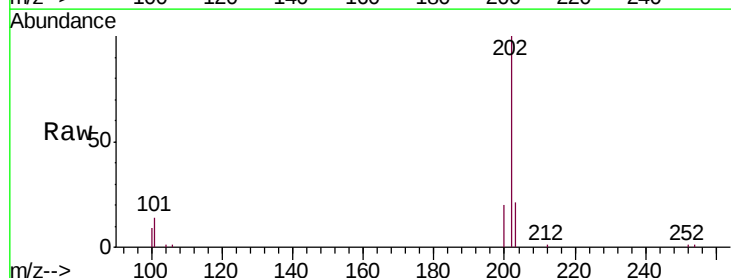
Tgt Ion:202 Resp: 59682

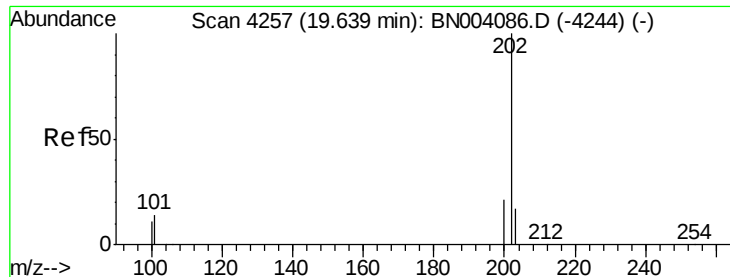
Ion Ratio Lower Upper

202 100

101 13.7 0.0 30.7

100 9.0 0.0 28.1

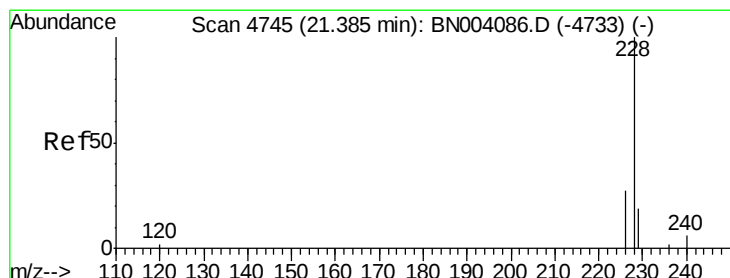
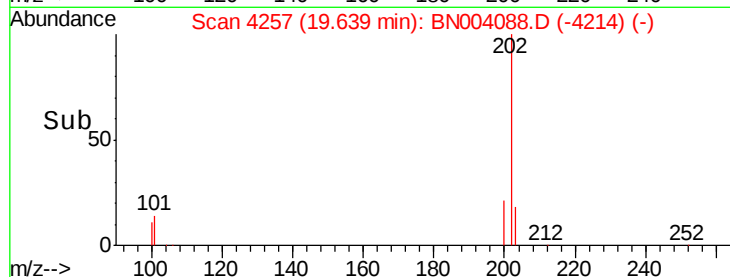
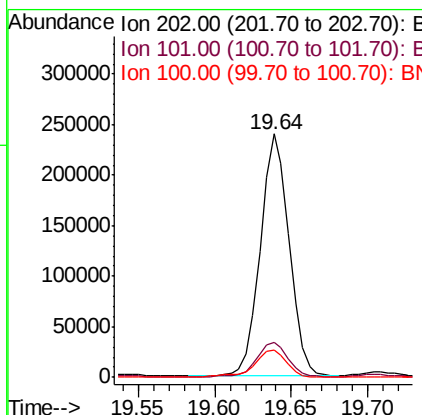
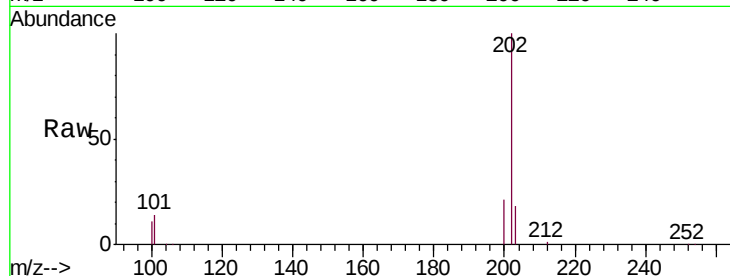




#17
 Pyrene
 Concen: 6.550 ng/ul
 RT: 19.64 min Scan# 4257
 Delta R.T. 0.00 min
 Lab File: BN004088.D
 Acq: 18 Dec 2018 21:59

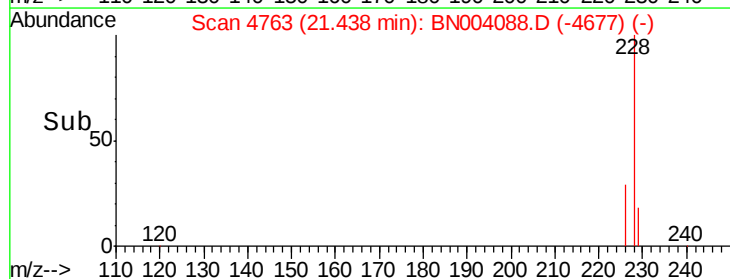
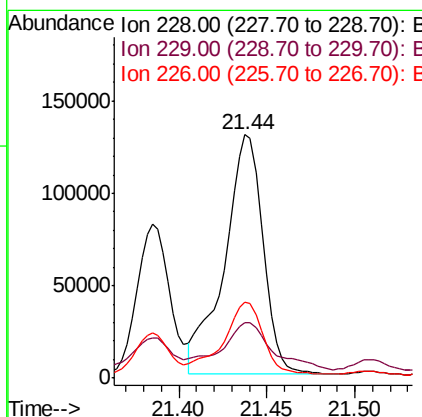
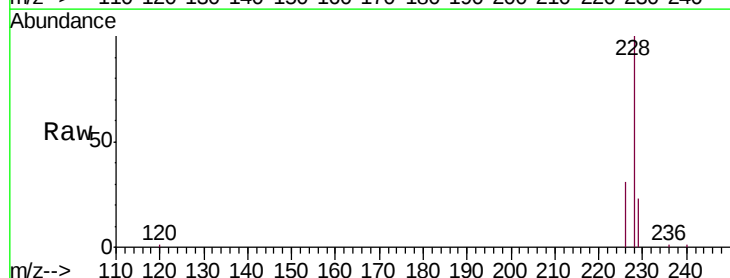
Instrument :
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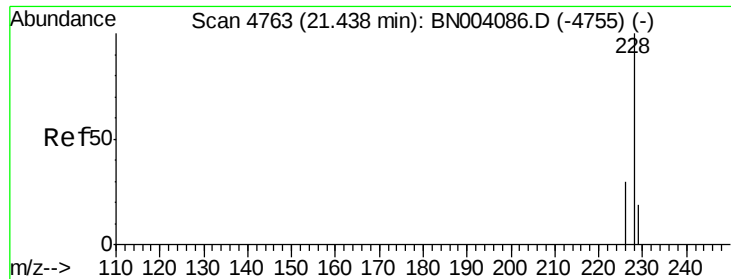
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	10.3	15.5
100	11.4	8.5	12.7



#18
 Benzo(a)anthracene
 Concen: 4.607 ng/ul
 RT: 21.44 min Scan# 4763
 Delta R.T. 0.05 min
 Lab File: BN004088.D
 Acq: 18 Dec 2018 21:59

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.9	15.6	23.4
226	31.0	21.1	31.7





#19

Chrysene

Concen: 4.026 ng/ul

RT: 21.44 min Scan# 4763

Delta R.T. 0.00 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

Instrument :

BNA_N

ClientSampleId :

F9F10DL

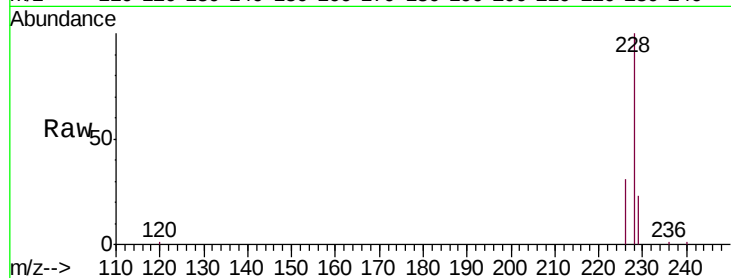
Tgt Ion:228 Resp: 193859

Ion Ratio Lower Upper

228 100

226 31.0 24.0 36.0

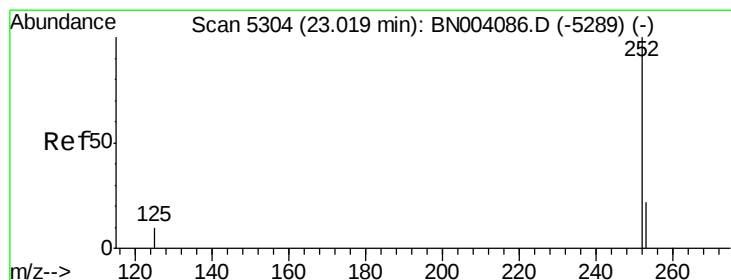
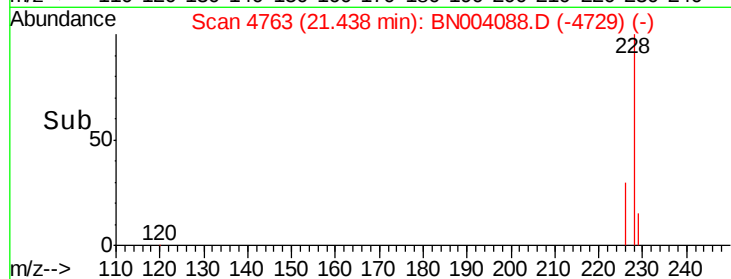
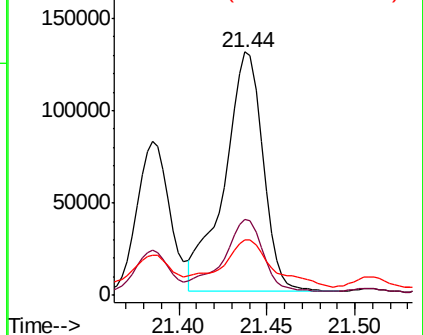
229 22.9 15.7 23.5



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: 1.110 ng/ul

RT: 23.02 min Scan# 5305

Delta R.T. 0.00 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

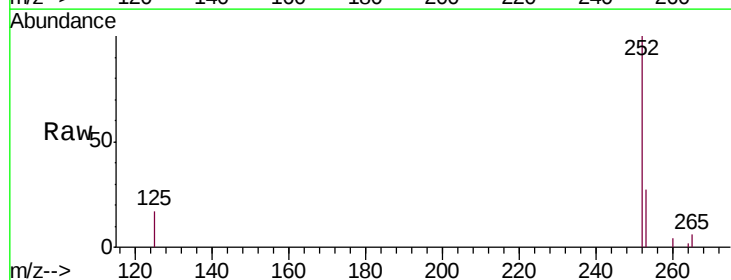
Tgt Ion:252 Resp: 68187

Ion Ratio Lower Upper

252 100

253 26.6 0.0 46.0

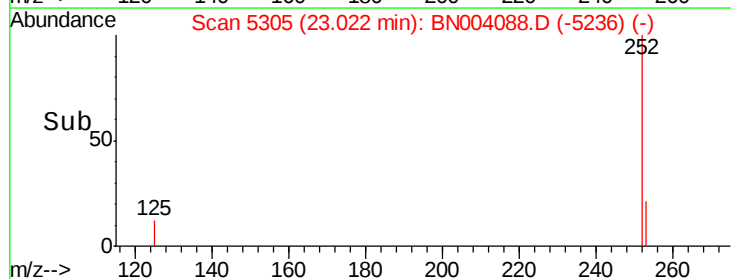
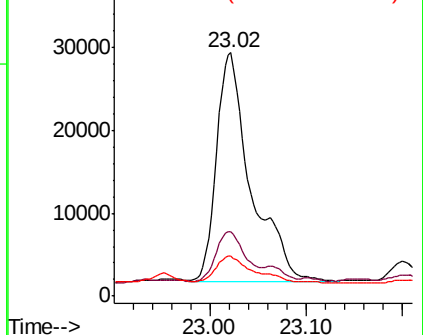
125 16.6 0.0 22.4

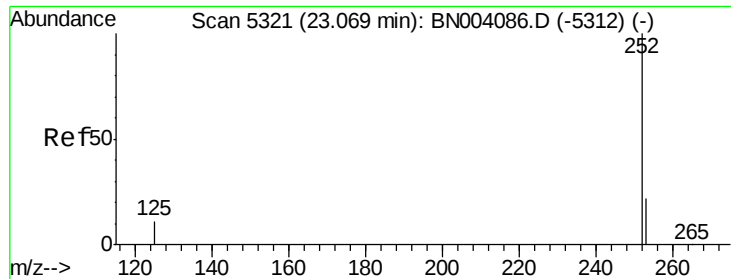


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.143 ng/ul

RT: 23.02 min Scan# 5305

Delta R.T. -0.05 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

Instrument :

BNA_N

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F9F10DL

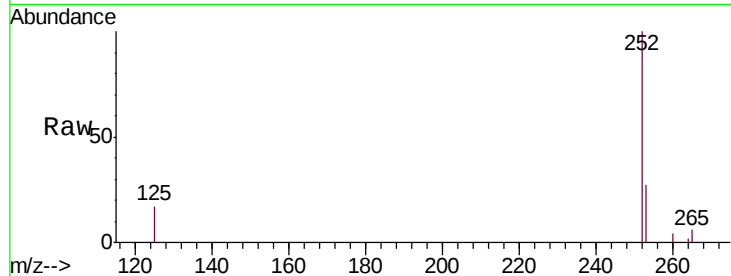
Tgt Ion:252 Resp: 68411

Ion Ratio Lower Upper

252 100

253 26.6 18.5 27.7

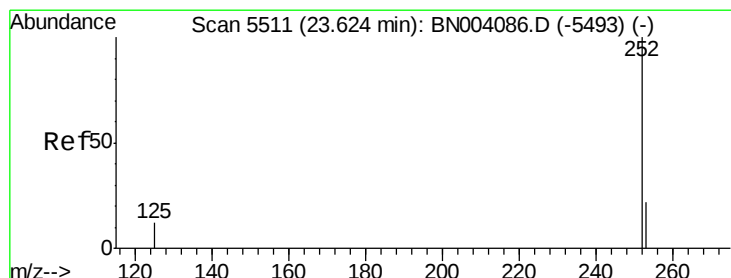
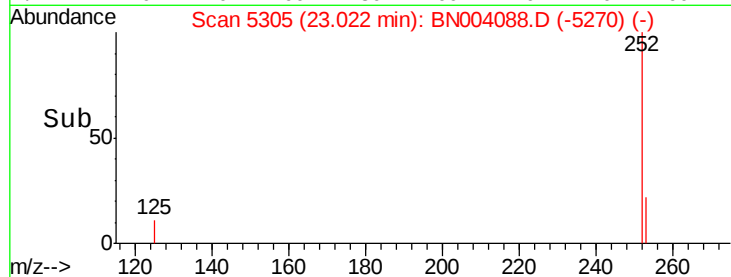
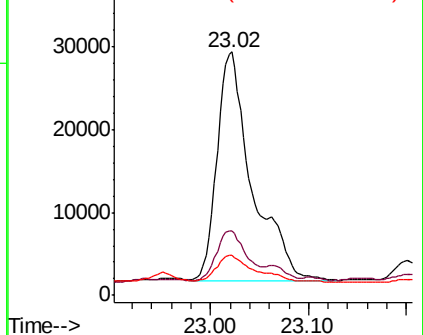
125 16.6 9.0 13.6#



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: 1.225 ng/ul

RT: 23.62 min Scan# 5511

Delta R.T. 0.00 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

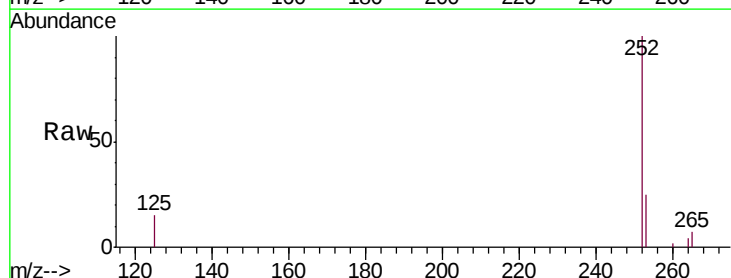
Tgt Ion:252 Resp: 65160

Ion Ratio Lower Upper

252 100

253 25.4 19.0 28.4

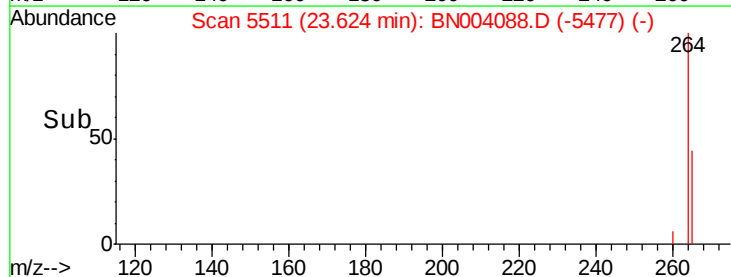
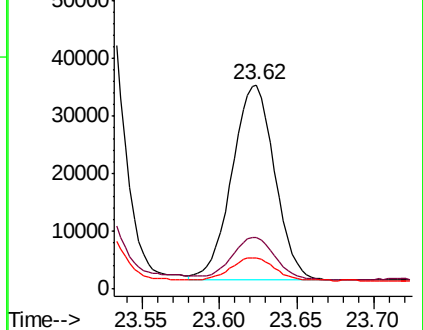
125 15.4 10.2 15.4#

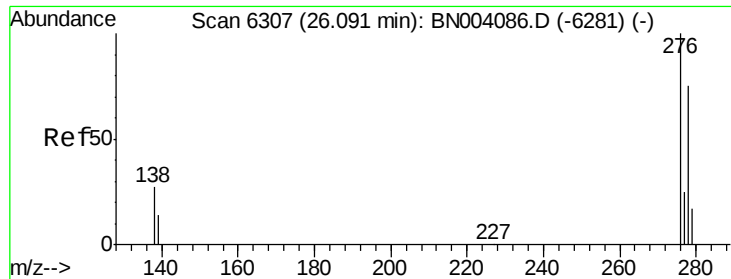


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Indeno(1,2,3-cd)pyrene

Concen: 0.486 ng/ul

RT: 26.08 min Scan# 6304

Delta R.T. -0.01 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

Instrument :

BNA_N

ClientSampleId :

F9F10DL

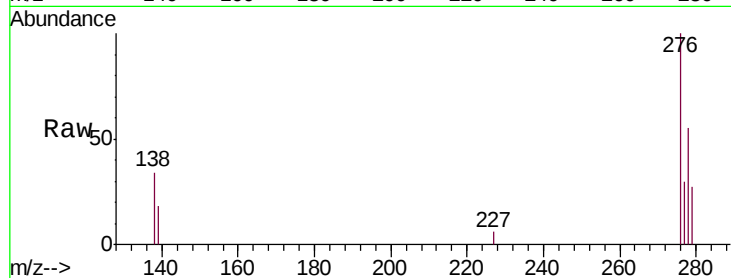
Tgt Ion:276 Resp: 29667

Ion Ratio Lower Upper

276 100

138 27.2 20.3 30.5

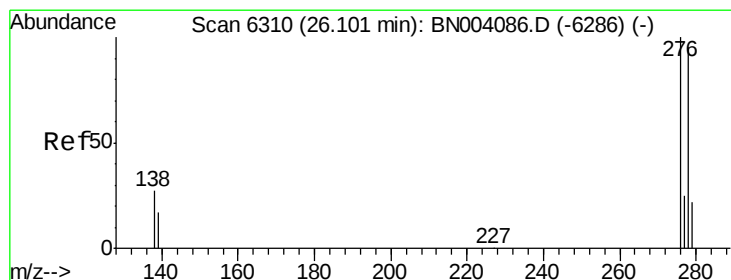
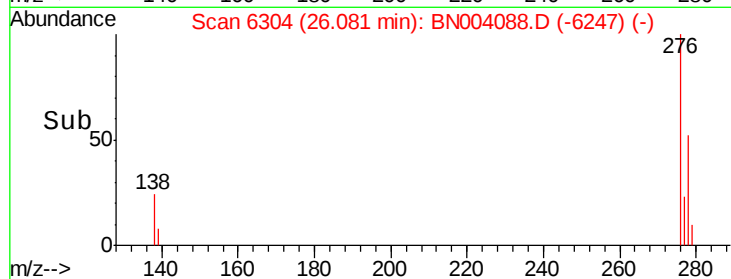
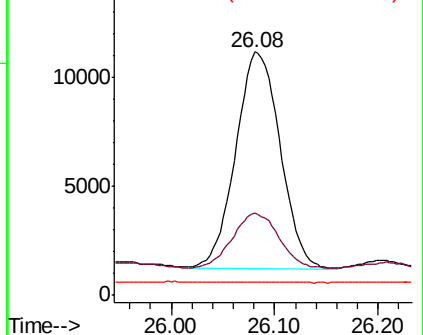
227 0.2 0.2 0.2



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: 0.410 ng/ul

RT: 26.08 min Scan# 6304

Delta R.T. -0.02 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

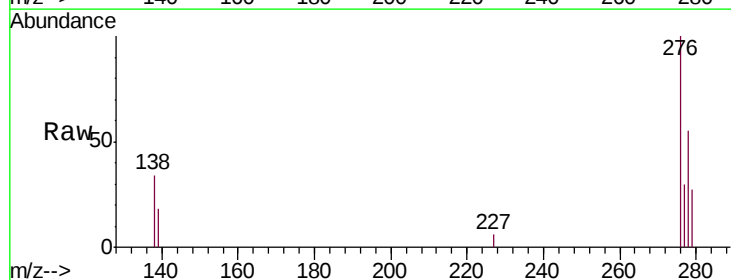
Tgt Ion:278 Resp: 20110

Ion Ratio Lower Upper

278 100

139 33.1 14.2 21.4#

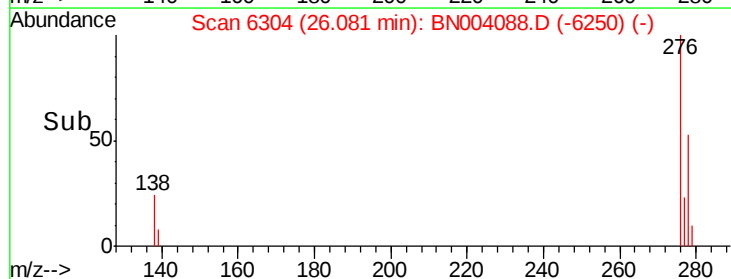
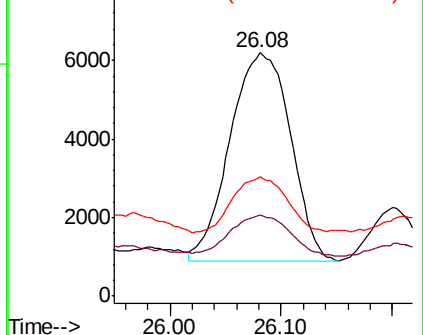
279 48.9 19.8 29.6#

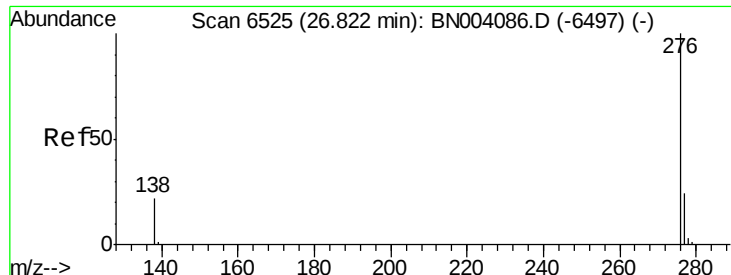


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.148 ng/ul

RT: 26.82 min Scan# 6524

Delta R.T. -0.00 min

Lab File: BN004088.D

Acq: 18 Dec 2018 21:59

Instrument :

BNA_N

ClientSampleId :

F9F10DL

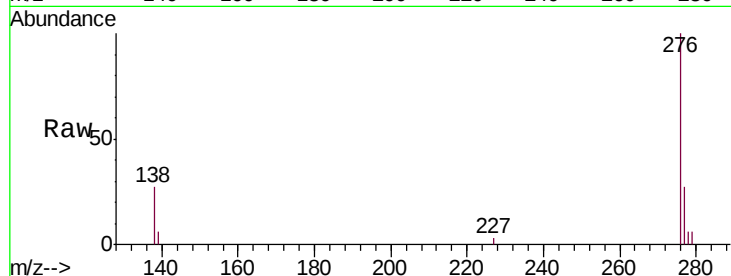
Tgt Ion:276 Resp: 60827

Ion Ratio Lower Upper

276 100

138 27.0 17.7 26.5#

277 26.9 19.3 28.9



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

