

Data File : BN008514.D
Acq On : 08 Nov 2019 18:14
Operator : JU
Sample : K5699-05DL 2X
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
F2J02DL

Quant Time: Nov 08 23:05:44 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN110519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 08 23:03:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	1657	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.31	136	7065	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.19	164	4257	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	9258	0.40	ng/ul	0.00
16) Chrysene-d12	21.15	240	7246	0.40	ng/ul	0.00
20) Perylene-d12	23.31	264	6778	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.91	152	1412	0.13	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	4242	0.15	ng/ul	0.00

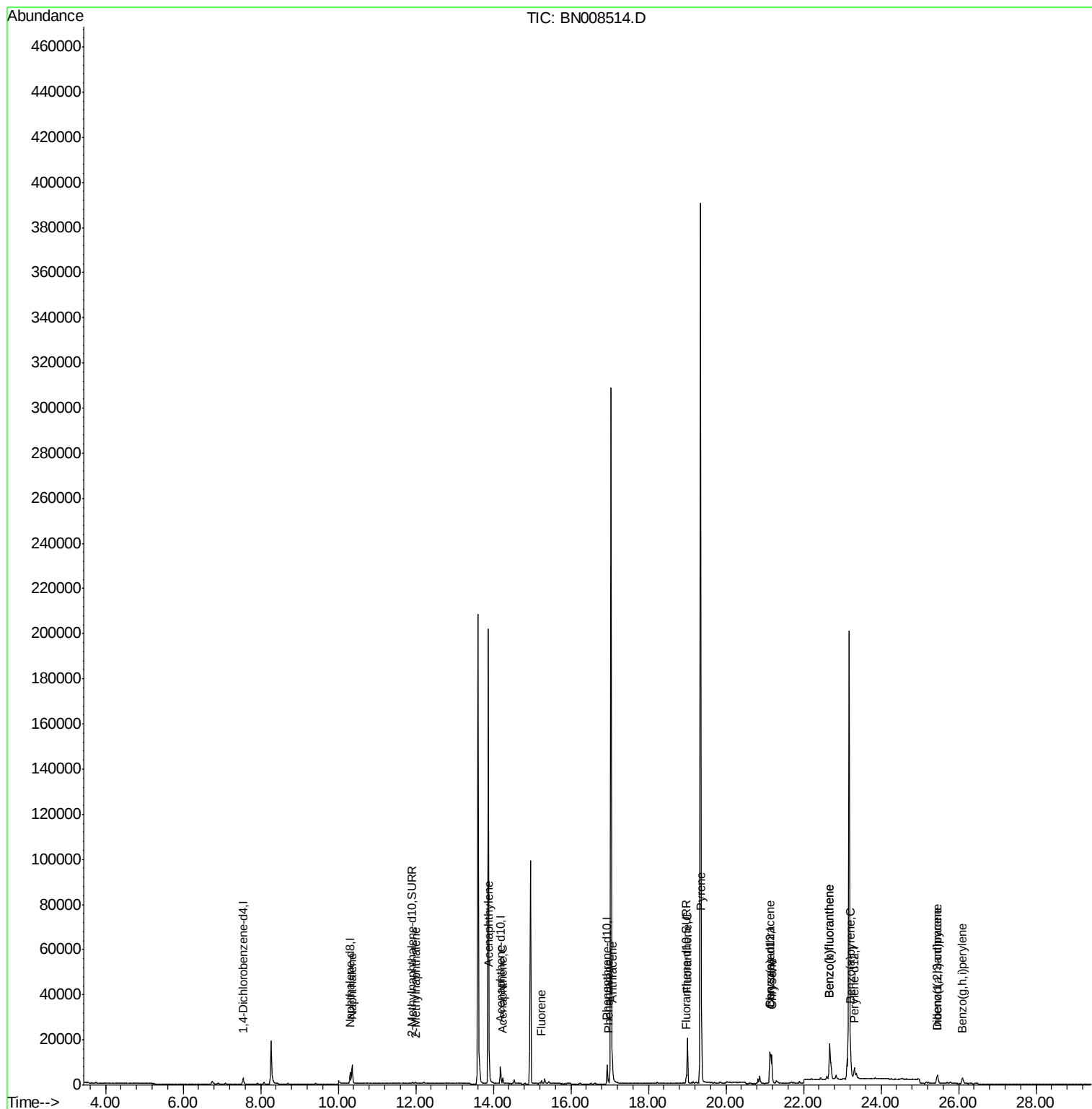
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.36	128	12204	0.607	ng/ul	98
5) 2-Methylnaphthalene	11.99	142	602	0.045	ng/ul	98
7) Acenaphthylene	13.90	152	2300	0.116	ng/ul	95
8) Acenaphthene	14.25	153	1490	0.093	ng/ul	99
9) Fluorene	15.24	166	1062	0.060	ng/ul#	97
12) Phenanthrene	16.97	178	2512	0.089	ng/ul	94
13) Anthracene	17.07	178	7256	0.294	ng/ul	100
15) Fluoranthene	19.00	202	16734	0.519	ng/ul	98
17) Pyrene	19.37	202	24258	0.686	ng/ul	99
18) Benzo(a)anthracene	21.13	228	10464	0.415	ng/ul	98
19) Chrysene	21.18	228	10619	0.331	ng/ul	99
21) Benzo(b)fluoranthene	22.67	252	33962	1.345	ng/ul	82
22) Benzo(k)fluoranthene	22.67	252	33962	1.183	ng/ul#	92
23) Benzo(a)pyrene	23.21	252	9996	0.393	ng/ul#	74
24) Indeno(1,2,3-cd)pyrene	25.45	276	6288	0.218	ng/ul#	99
25) Dibenzo(a,h)anthracene	25.45	278	1550	0.068	ng/ul#	78
26) Benzo(g,h,i)perylene	26.10	276	5257	0.203	ng/ul	97

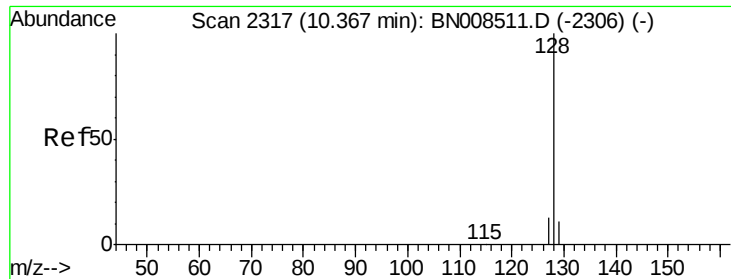
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.607 ng/ul

RT: 10.36 min Scan# 2315

Delta R.T. -0.01 min

Lab File: BN008514.D

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Instrument :

BNA_N

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F2J02DL

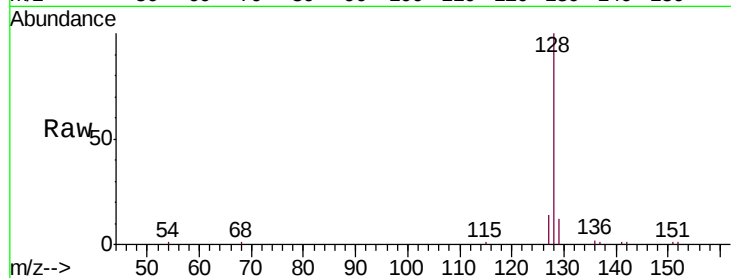
Tgt Ion:128 Resp: 12204

Ion Ratio Lower Upper

128 100

129 11.8 10.0 15.0

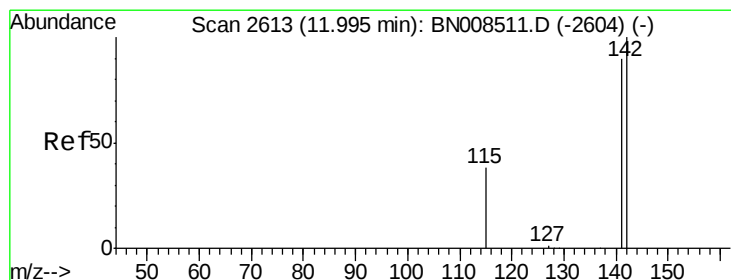
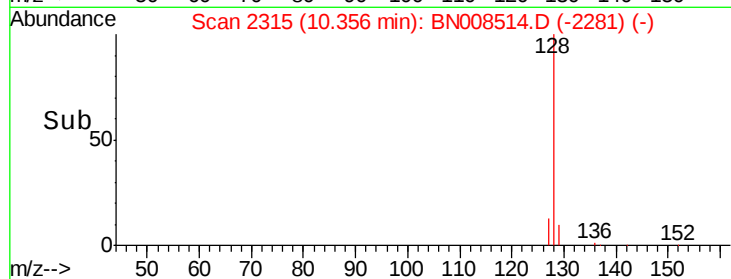
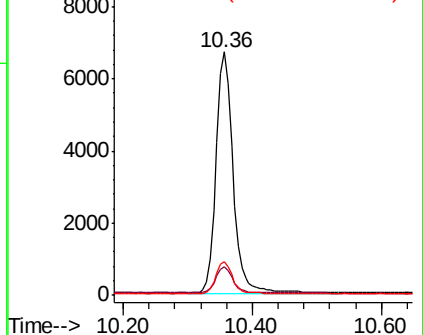
127 13.7 11.6 17.4



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: 0.045 ng/ul

RT: 11.99 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BN008514.D

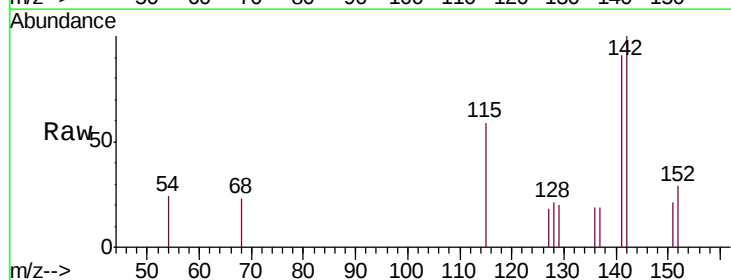
Acq: 08 Nov 2019 18:14

Tgt Ion:142 Resp: 602

Ion Ratio Lower Upper

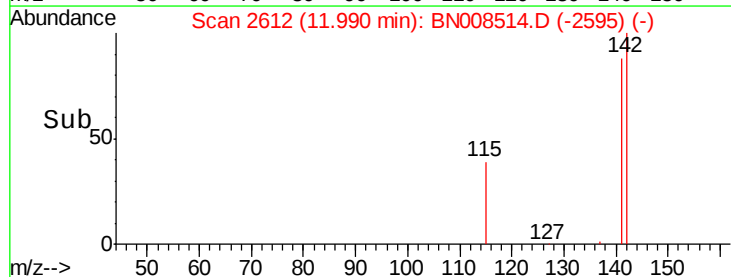
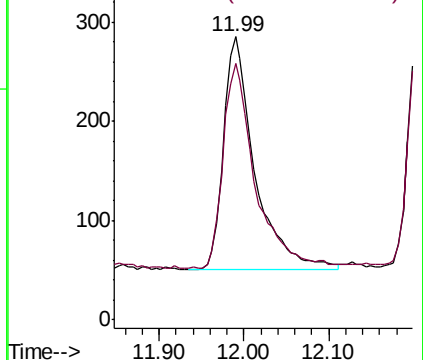
142 100

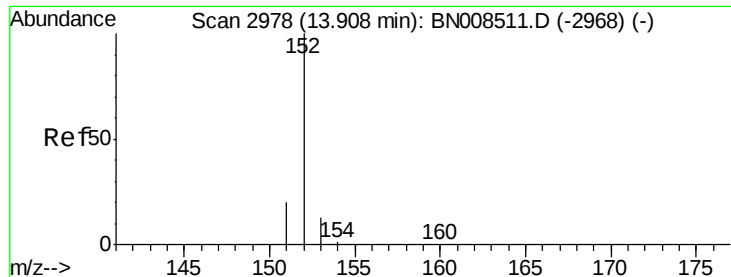
141 89.0 72.8 109.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.116 ng/ul

RT: 13.90 min Scan# 2976

Delta R.T. -0.01 min

Lab File: BN008514.D

Acq: 08 Nov 2019 18:14

Instrument :

BNA_N

ClientSampleId :

F2J02DL

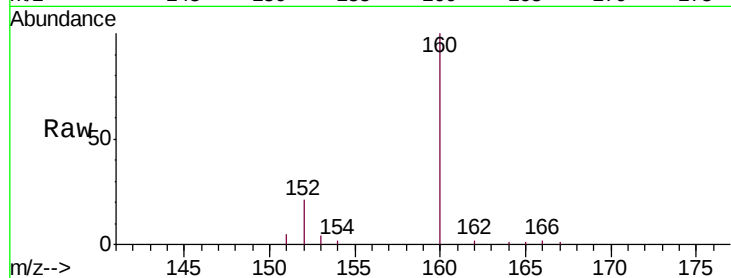
Tgt Ion:152 Resp: 2300

Ion Ratio Lower Upper

152 100

151 22.7 16.7 25.1

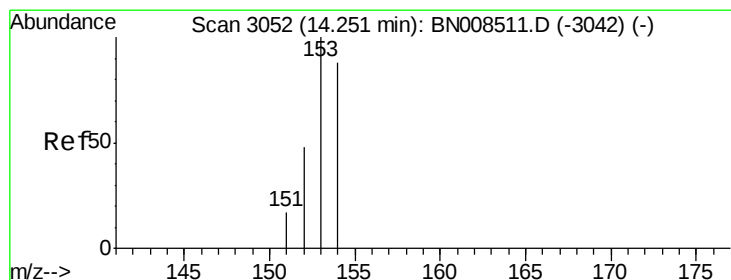
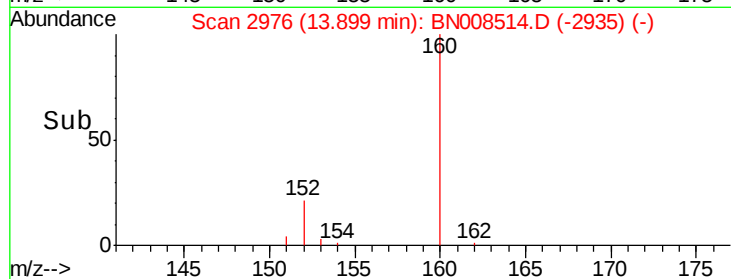
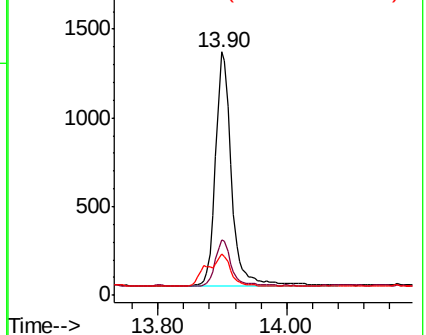
153 17.1 11.4 17.2



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: 0.093 ng/ul

RT: 14.25 min Scan# 3051

Delta R.T. -0.00 min

Lab File: BN008514.D

Acq: 08 Nov 2019 18:14

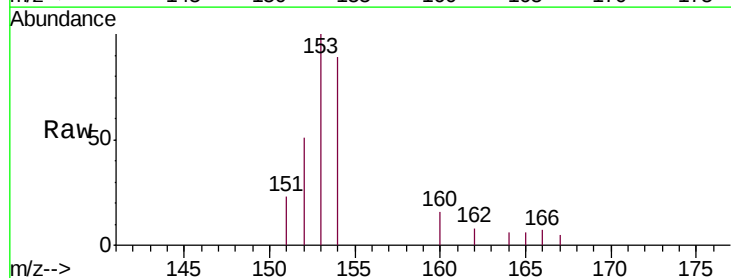
Tgt Ion:153 Resp: 1490

Ion Ratio Lower Upper

153 100

152 51.0 39.8 59.8

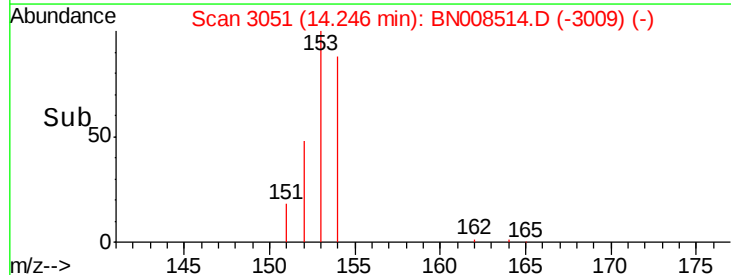
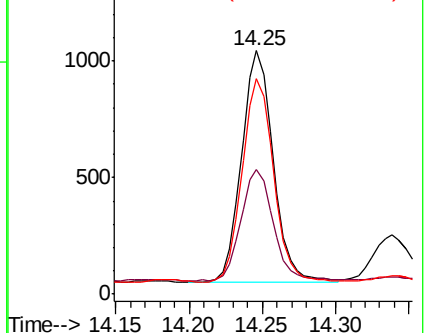
154 88.6 71.6 107.4

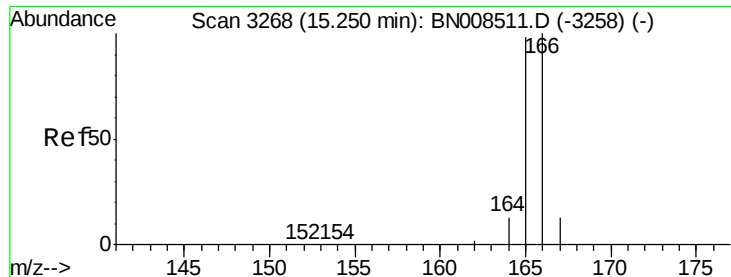


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.060 ng/ul

RT: 15.24 min Scan# 3266

Delta R.T. -0.01 min

Lab File: BN008514.D

Acq: 08 Nov 2019 18:14

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F2J02DL

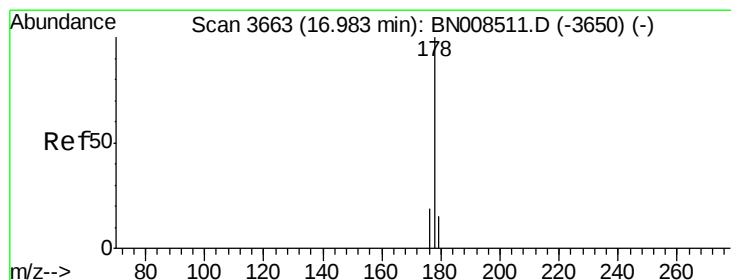
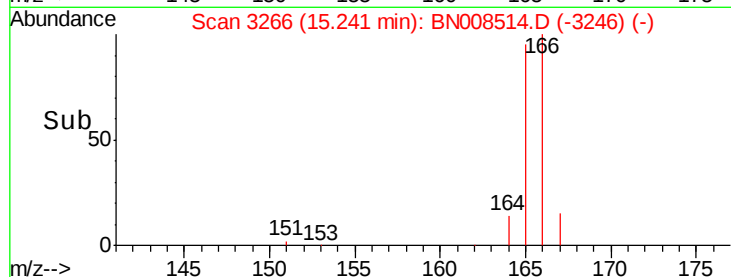
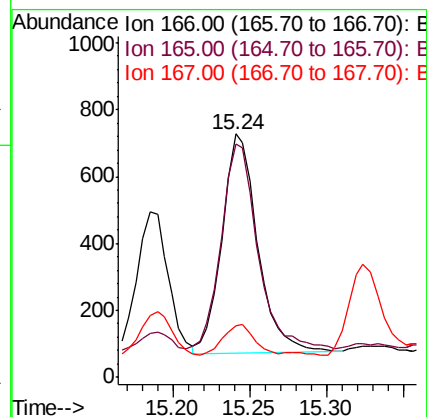
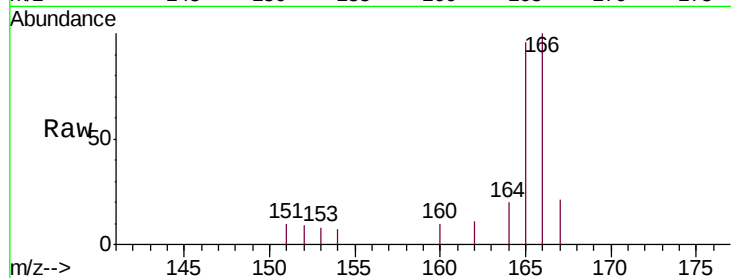
Tgt Ion:166 Resp: 1062

Ion Ratio Lower Upper

166 100

165 96.0 78.2 117.2

167 21.3 12.1 18.1#



#12

Phenanthrene

Concen: 0.089 ng/ul

RT: 16.97 min Scan# 3661

Delta R.T. -0.01 min

Lab File: BN008514.D

Acq: 08 Nov 2019 18:14

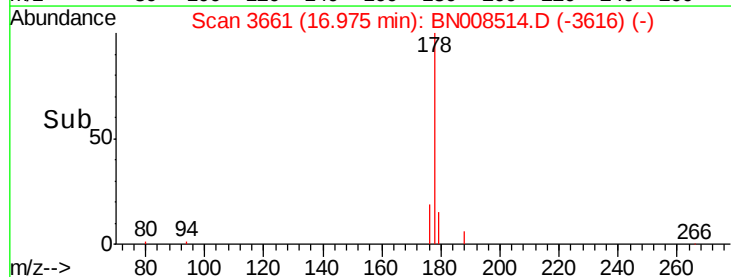
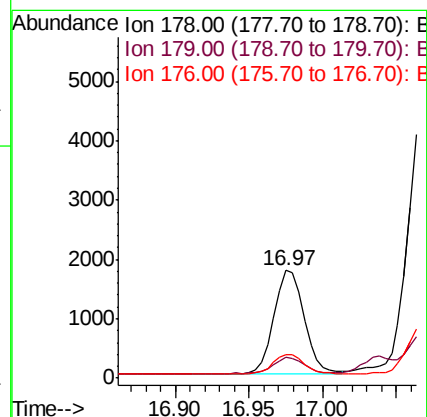
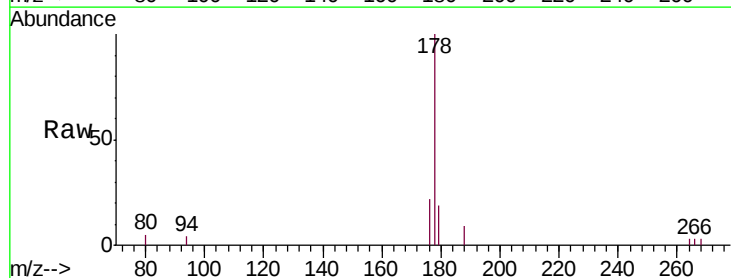
Tgt Ion:178 Resp: 2512

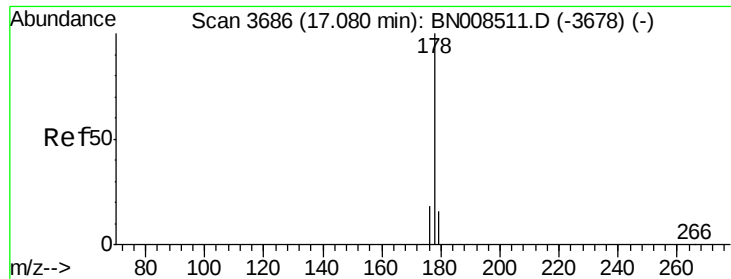
Ion Ratio Lower Upper

178 100

179 19.0 13.2 19.8

176 22.4 15.6 23.4





#13

Anthracene

Concen: 0.294 ng/ul

RT: 17.07 min Scan# 3683

Delta R.T. -0.01 min

Lab File: BN008514.D

Acq: 08 Nov 2019 18:14

Instrument :

BNA_N

ClientSampleId :

F2J02DL

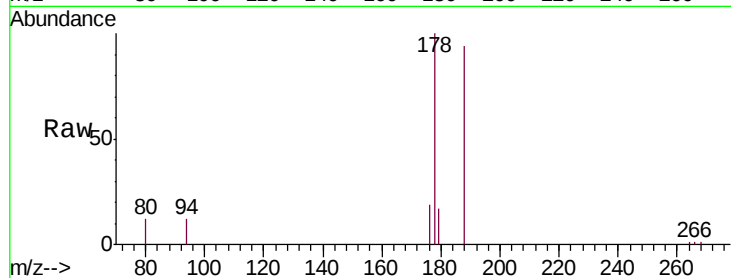
Tgt Ion:178 Resp: 7256

Ion Ratio Lower Upper

178 100

179 17.2 13.7 20.5

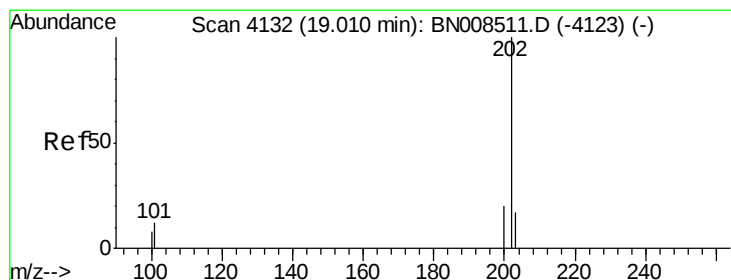
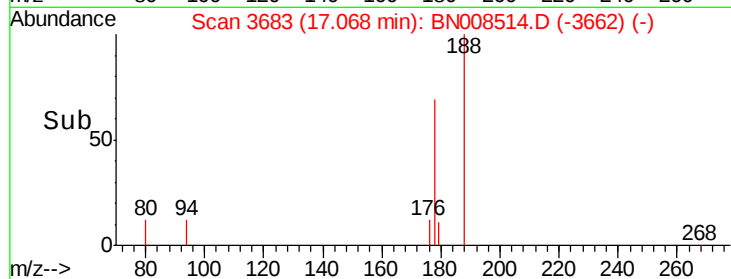
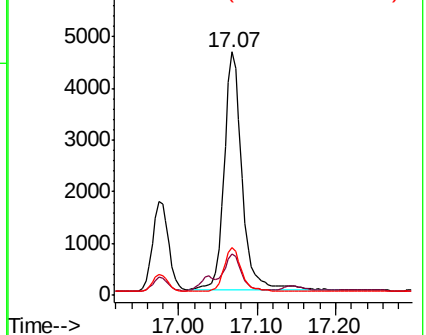
176 19.5 15.7 23.5



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



#15

Fluoranthene

Concen: 0.519 ng/ul

RT: 19.00 min Scan# 4131

Delta R.T. -0.01 min

Lab File: BN008514.D

Acq: 08 Nov 2019 18:14

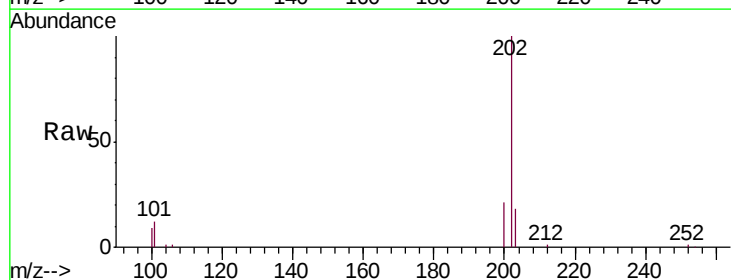
Tgt Ion:202 Resp: 16734

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.0

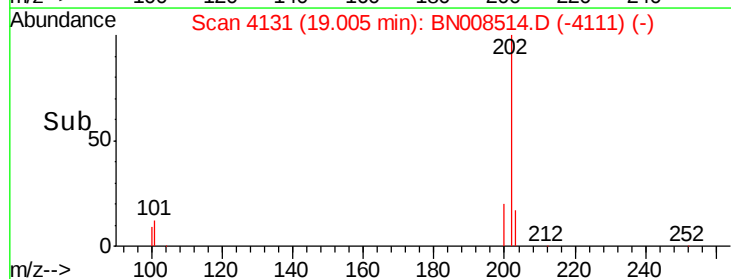
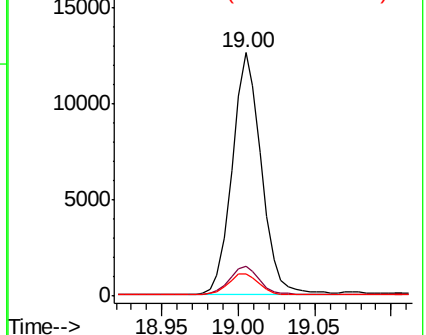
100 9.1 0.0 30.2

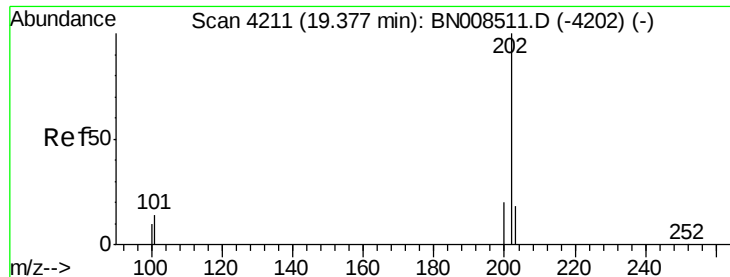


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

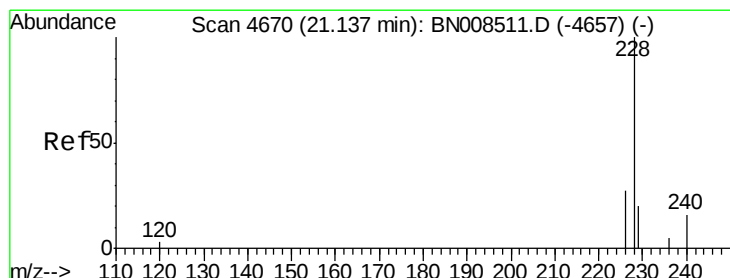
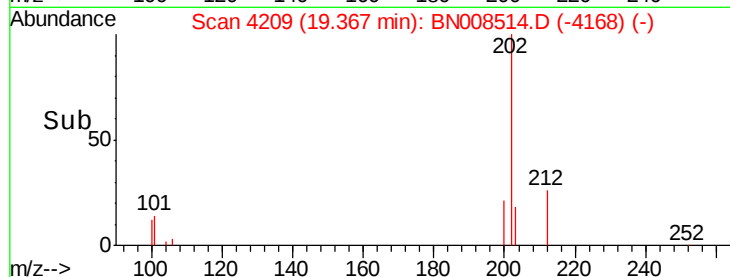
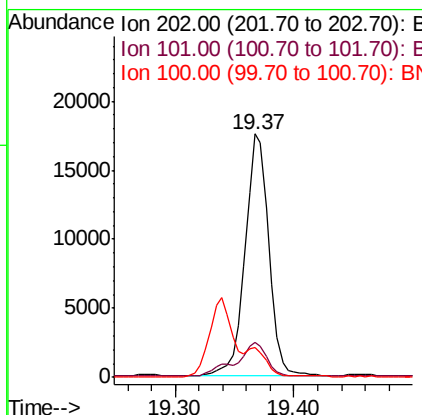
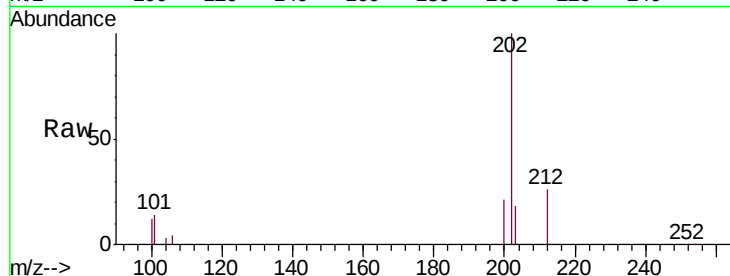




#17
 Pyrene
 Concen: 0.686 ng/ul
 RT: 19.37 min Scan# 4209
 Delta R.T. -0.01 min
 Lab File: BN008514.D
 Acq: 08 Nov 2019 18:14

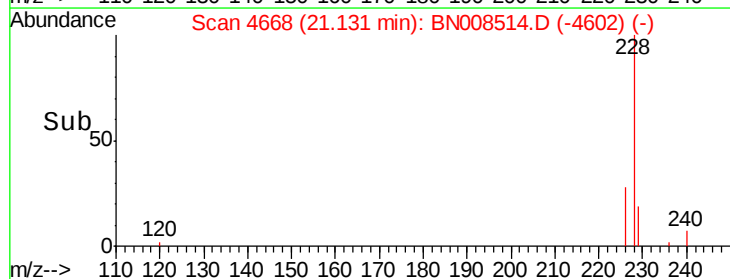
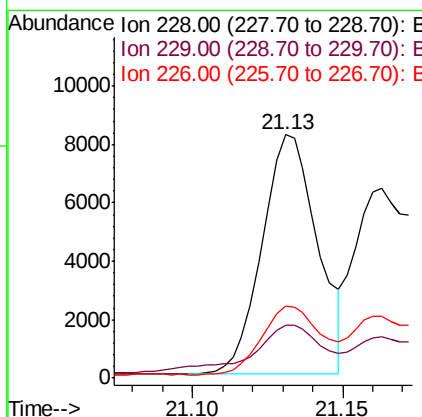
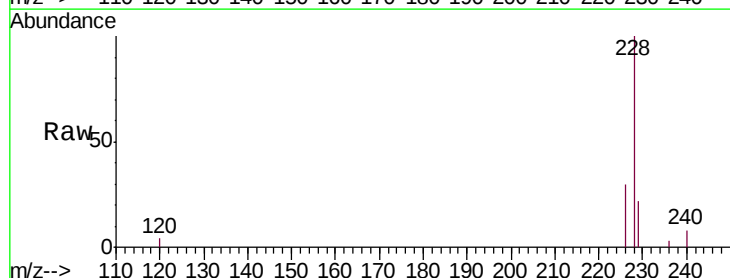
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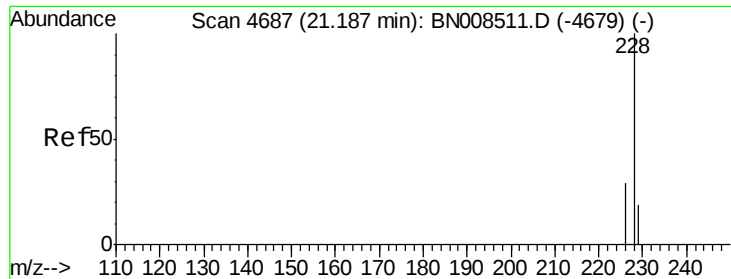
Tgt Ion:202 Resp: 24258
 Ion Ratio Lower Upper
 202 100
 101 14.3 11.6 17.4
 100 12.3 9.4 14.0



#18
 Benzo(a)anthracene
 Concen: 0.415 ng/ul
 RT: 21.13 min Scan# 4668
 Delta R.T. -0.01 min
 Lab File: BN008514.D
 Acq: 08 Nov 2019 18:14

Tgt Ion:228 Resp: 10464
 Ion Ratio Lower Upper
 228 100
 229 22.0 16.6 24.8
 226 29.6 22.8 34.2





#19

Chrysene

Concen: 0.331 ng/ul

RT: 21.18 min Scan# 4686

Delta R.T. -0.00 min

Lab File: BN008514.D

Acq: 08 Nov 2019 18:14

Instrument :

BNA_N

ClientSampleId :

F2J02DL

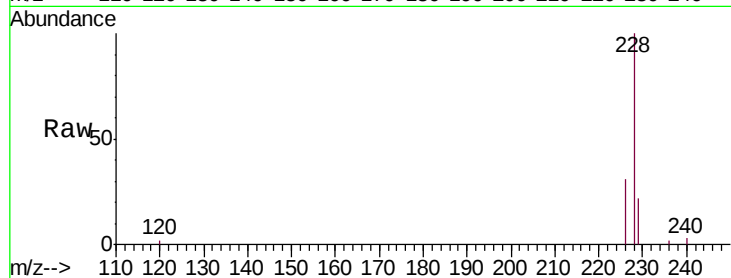
Tgt Ion:228 Resp: 10619

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

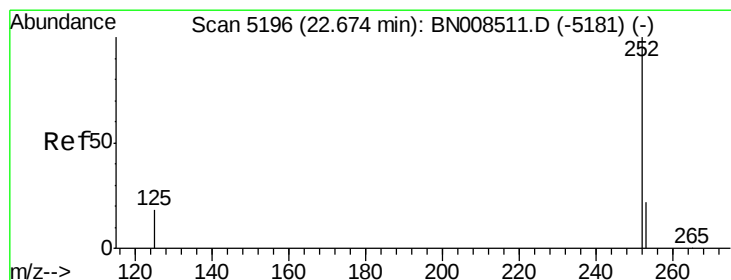
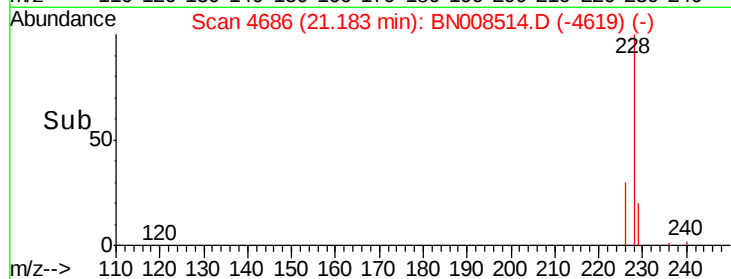
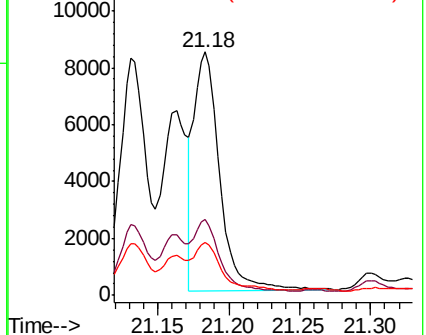
229 21.5 16.6 25.0



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: 1.345 ng/ul

RT: 22.67 min Scan# 5195

Delta R.T. -0.00 min

Lab File: BN008514.D

Acq: 08 Nov 2019 18:14

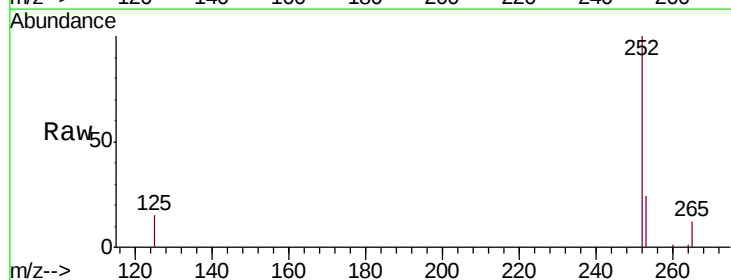
Tgt Ion:252 Resp: 33962

Ion Ratio Lower Upper

252 100

253 24.5 0.0 58.4

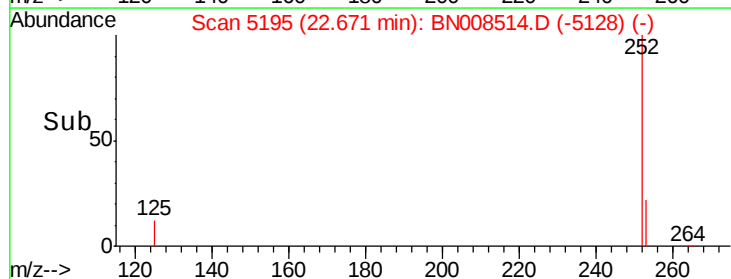
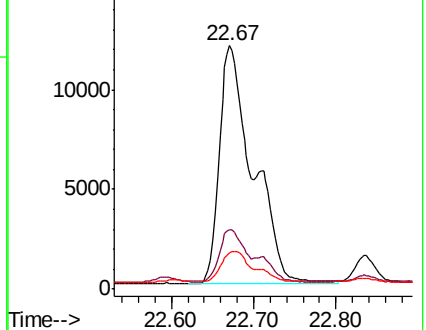
125 14.7 0.0 58.6

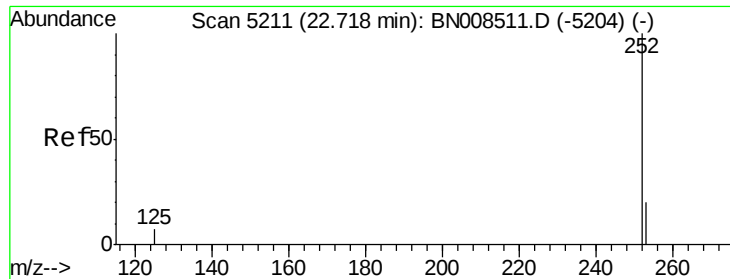


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#22

Benzo(k)fluoranthene

Concen: 1.183 ng/ul

RT: 22.67 min Scan# 5195

Delta R.T. -0.05 min

Lab File: BN008514.D

Acq: 08 Nov 2019 18:14

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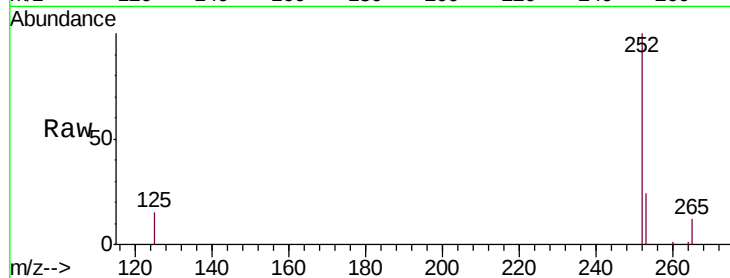
Tgt Ion:252 Resp: 33962

Ion Ratio Lower Upper

252 100

253 24.5 22.6 34.0

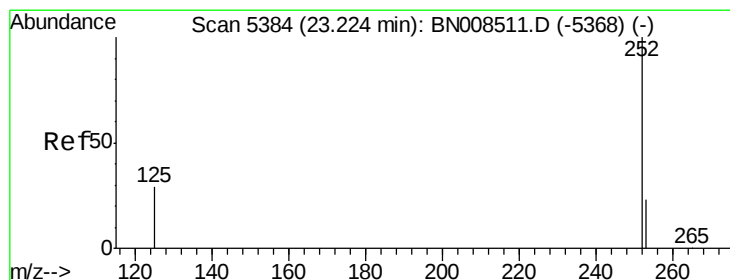
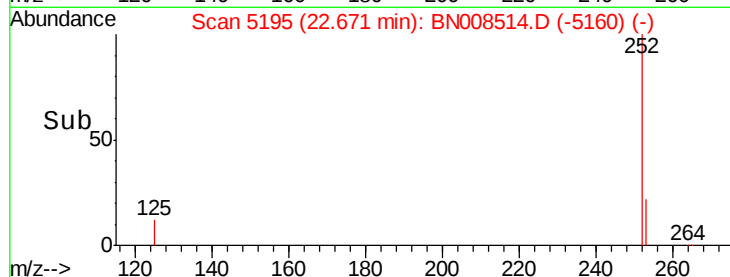
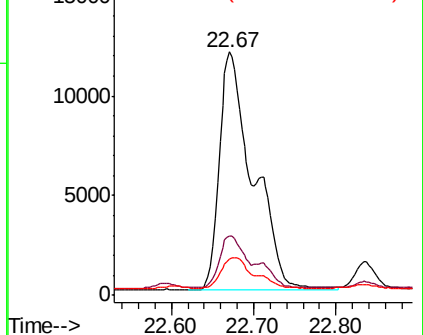
125 14.7 14.7 22.1#



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: 0.393 ng/ul

RT: 23.21 min Scan# 5381

Delta R.T. -0.01 min

Lab File: BN008514.D

Acq: 08 Nov 2019 18:14

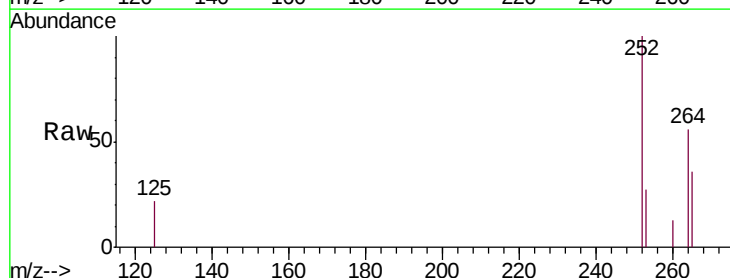
Tgt Ion:252 Resp: 9996

Ion Ratio Lower Upper

252 100

253 27.0 27.2 40.8#

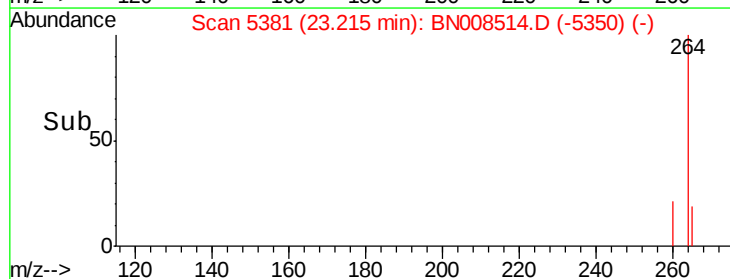
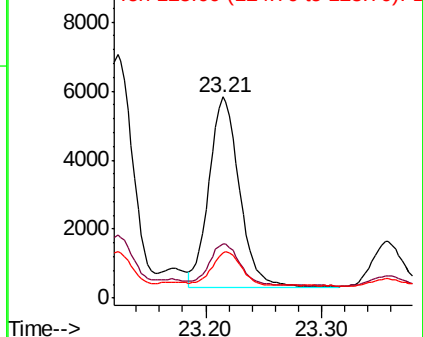
125 22.2 37.0 55.6#

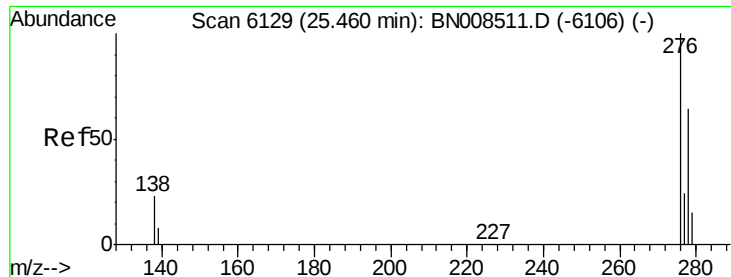


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



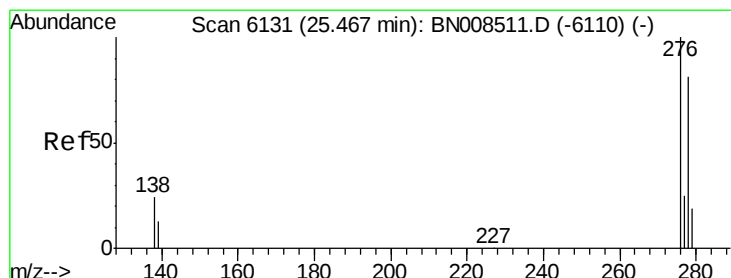
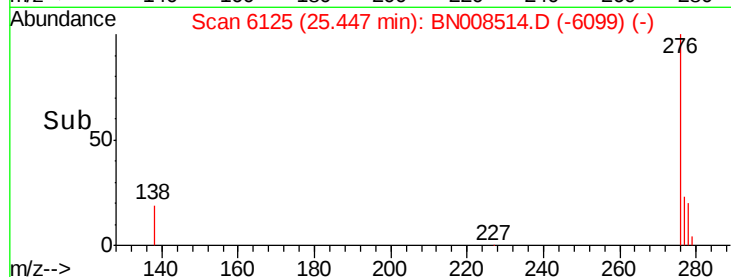
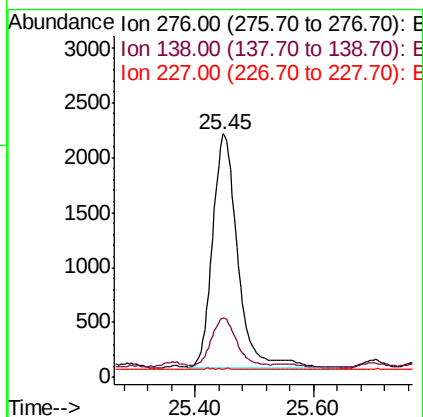
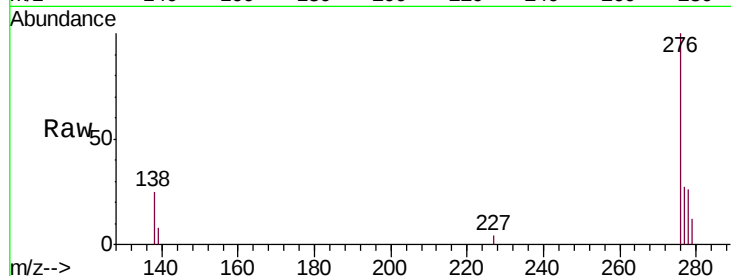


#24

Indeno(1,2,3-cd)pyrene
Concen: 0.218 ng/u1
RT: 25.45 min Scan# 6125
Delta R.T. -0.01 min
Lab File: BN008514.D
Acq: 08 Nov 2019 18:14

Instrument :
BNA_N
ClientSampleId :
F2J02DL

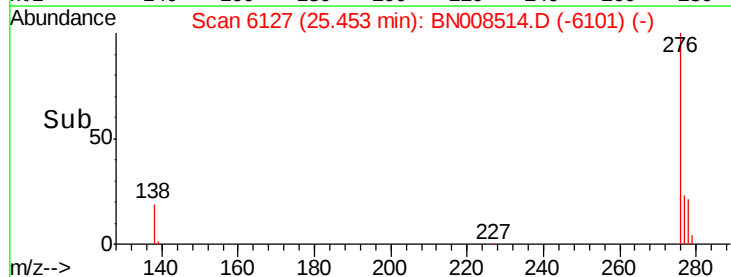
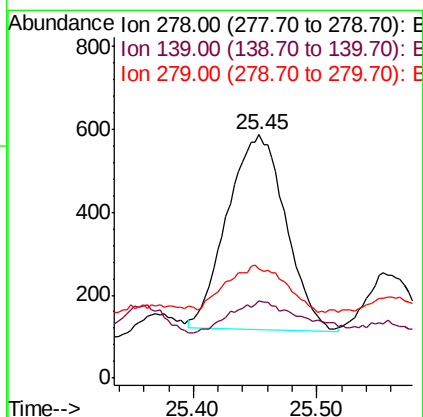
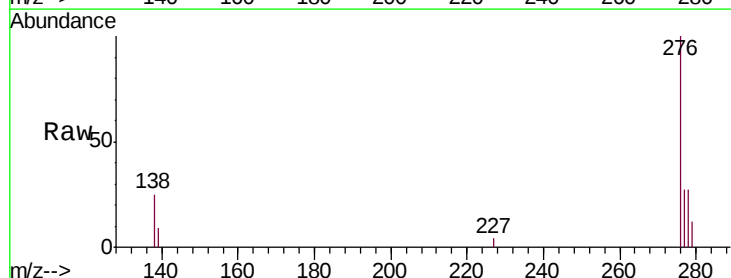
Tgt Ion:276 Resp: 6288
Ion Ratio Lower Upper
276 100
138 22.4 18.3 27.5
227 0.0 0.0 0.0#

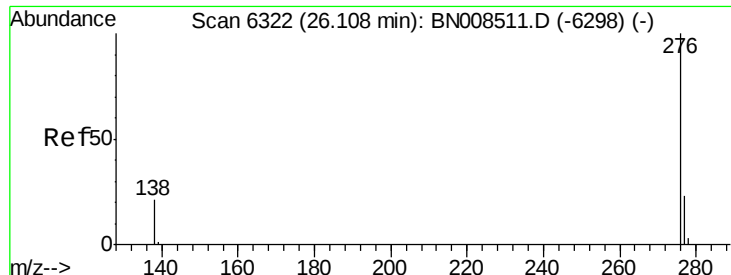


#25

Dibenzo(a,h)anthracene
Concen: 0.068 ng/u1
RT: 25.45 min Scan# 6127
Delta R.T. -0.01 min
Lab File: BN008514.D
Acq: 08 Nov 2019 18:14

Tgt Ion:278 Resp: 1550
Ion Ratio Lower Upper
278 100
139 31.5 17.6 26.4#
279 44.7 25.1 37.7#





#26

Benzo(g,h,i)perylene

Concen: 0.203 ng/u1

RT: 26.10 min Scan# 6320

Delta R.T. -0.01 min

Lab File: BN008514.D

Acq: 08 Nov 2019 18:14

Instrument :

BNA_N

ClientSampleId :

F2J02DL

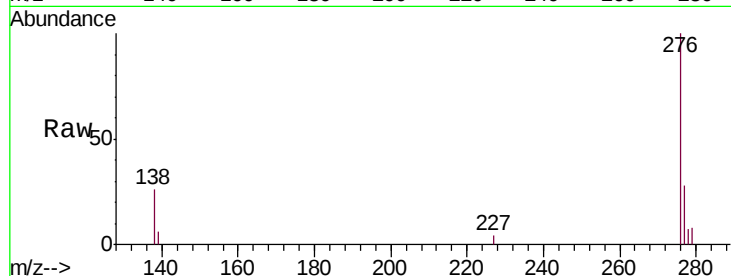
Tgt Ion:276 Resp: 5257

Ion Ratio Lower Upper

276 100

138 25.9 20.1 30.1

277 27.6 20.6 31.0



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

