

Data File : BN009265.D
Acq On : 30 Dec 2019 18:19
Operator : JU
Sample : K6322-12
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
C0BT7

Quant Time: Dec 31 01:03:42 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN121619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 00:59:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	2553	0.40	ng/ul	0.00
2) Naphthalene-d8	10.26	136	9654	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.13	164	5248	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.89	188	10104	0.40	ng/ul	0.00
16) Chrysene-d12	21.08	240	6824	0.40	ng/ul	0.00
20) Perylene-d12	23.21	264	6900	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.86	152	1415	0.08	ng/ul	0.00
14) Fluoranthene-d10	18.92	212	2811	0.09	ng/ul	0.00

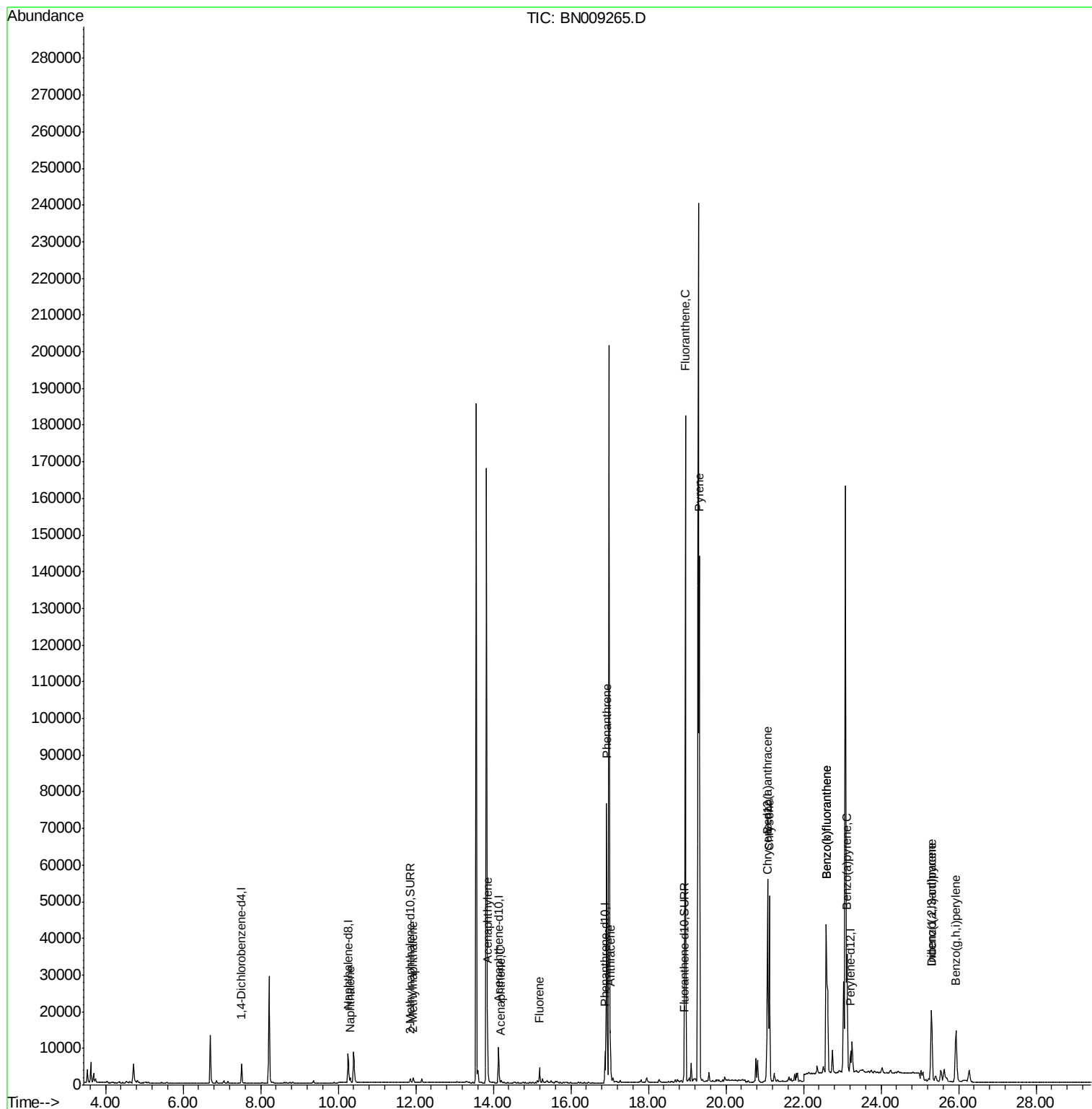
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.31	128	1824	0.062	ng/ul#	90
5) 2-Methylnaphthalene	11.93	142	1099	0.050	ng/ul	98
7) Acenaphthylene	13.85	152	7320	0.266	ng/ul	98
8) Acenaphthene	14.20	153	506	0.023	ng/ul	94
9) Fluorene	15.19	166	2604	0.102	ng/ul#	97
12) Phenanthrene	16.92	178	76713	2.183	ng/ul	100
13) Anthracene	17.02	178	13297	0.422	ng/ul	99
15) Fluoranthene	18.95	202	147660	3.674	ng/ul	99
17) Pyrene	19.31	202	114970	3.302	ng/ul	99
18) Benzo(a)anthracene	21.07	228	44889	1.481	ng/ul	98
19) Chrysene	21.12	228	49563	1.628	ng/ul	97
21) Benzo(b)fluoranthene	22.59	252	84340	2.618	ng/ul	97
22) Benzo(k)fluoranthene	22.59	252	84340	2.596	ng/ul	96
23) Benzo(a)pyrene	23.12	252	39849	1.411	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.30	276	28749	0.935	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.31	278	6514	0.266	ng/ul#	90
26) Benzo(g,h,i)perylene	25.93	276	27457	1.060	ng/ul	98

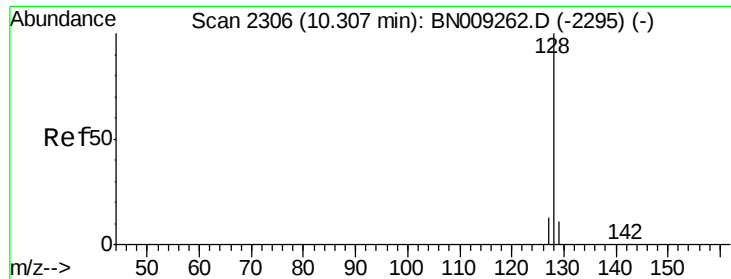
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.062 ng/ul

RT: 10.31 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Instrument :

BNA_N

ClientSampleId :

C0BT7

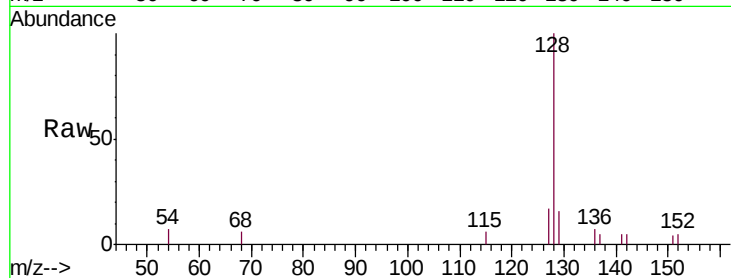
Tgt Ion:128 Resp: 1824

Ion Ratio Lower Upper

128 100

129 15.6 9.0 13.4#

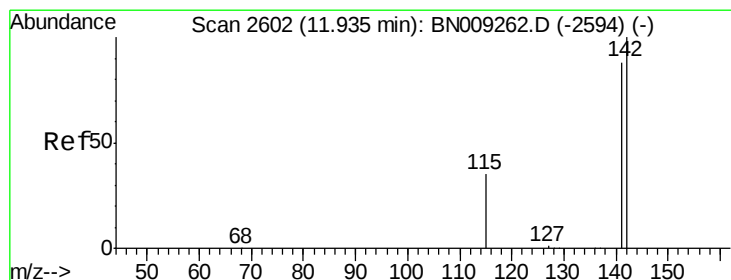
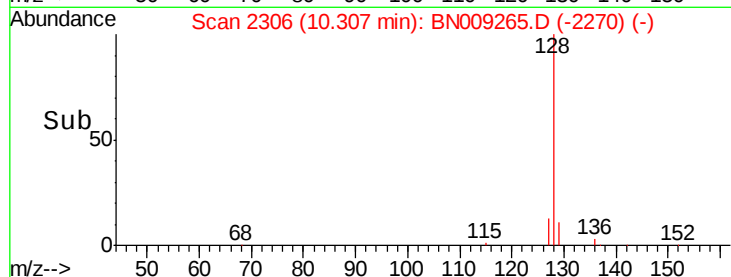
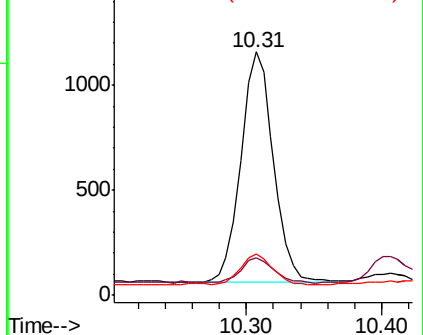
127 16.7 10.9 16.3#



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: 0.050 ng/ul

RT: 11.93 min Scan# 2602

Delta R.T. 0.00 min

Lab File: BN009265.D

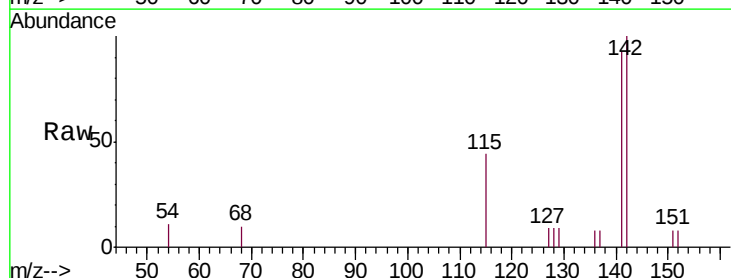
Acq: 30 Dec 2019 18:19

Tgt Ion:142 Resp: 1099

Ion Ratio Lower Upper

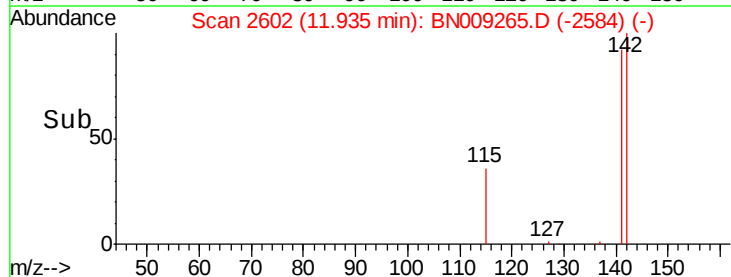
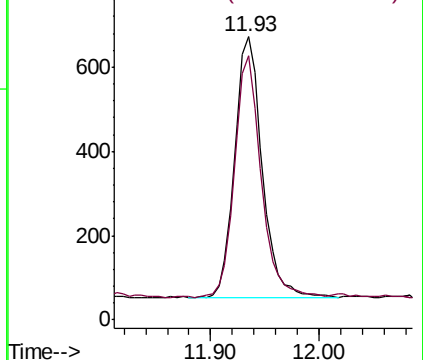
142 100

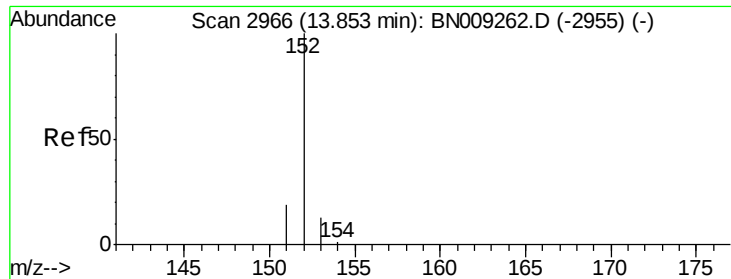
141 89.5 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.266 ng/ul

RT: 13.85 min Scan# 2966

Delta R.T. 0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Instrument :

BNA_N

ClientSampleId :

C0BT7

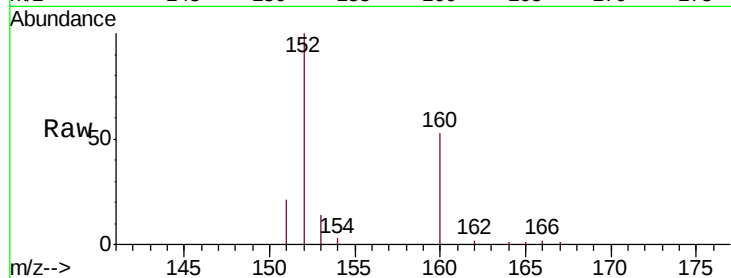
Tgt Ion:152 Resp: 7320

Ion Ratio Lower Upper

152 100

151 20.6 15.7 23.5

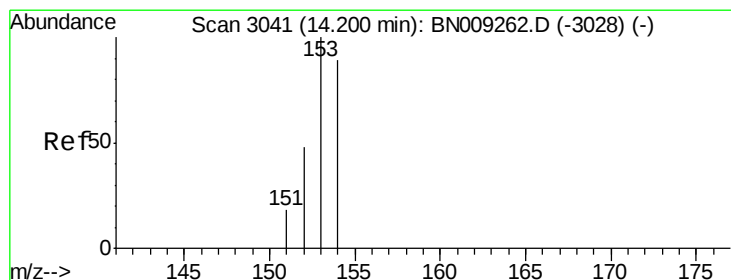
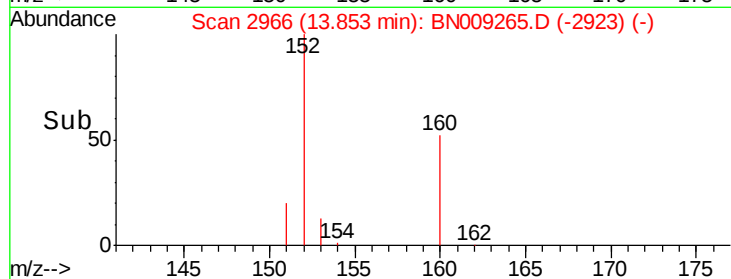
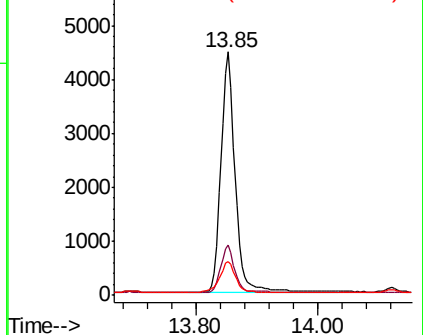
153 14.0 10.8 16.2



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: 0.023 ng/ul

RT: 14.20 min Scan# 3041

Delta R.T. 0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

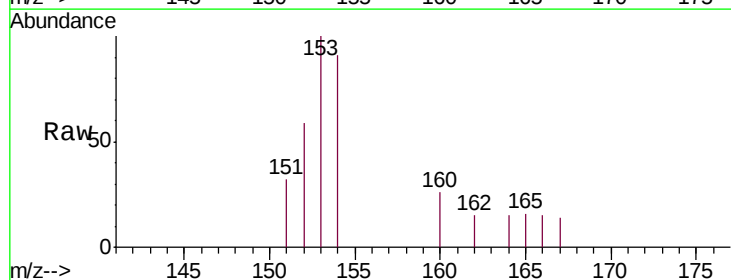
Tgt Ion:153 Resp: 506

Ion Ratio Lower Upper

153 100

152 58.7 39.5 59.3

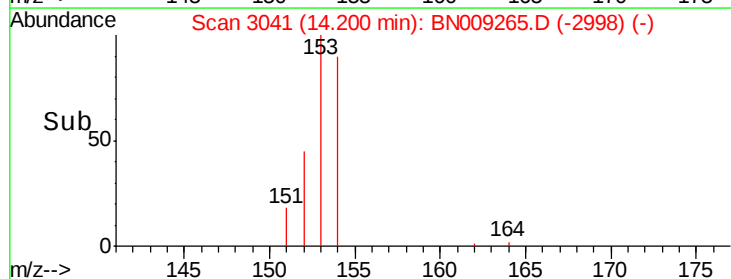
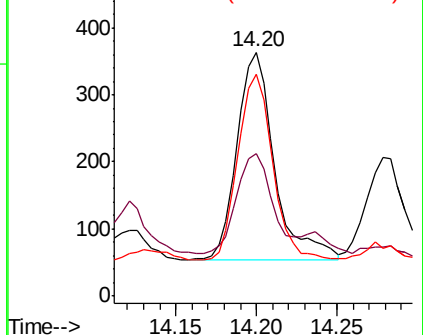
154 90.9 71.3 106.9

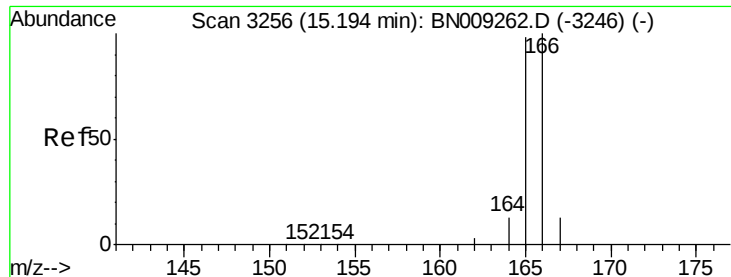


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.102 ng/ul

RT: 15.19 min Scan# 3256

Delta R.T. 0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Instrument :

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ClientSampleId :

C0BT7

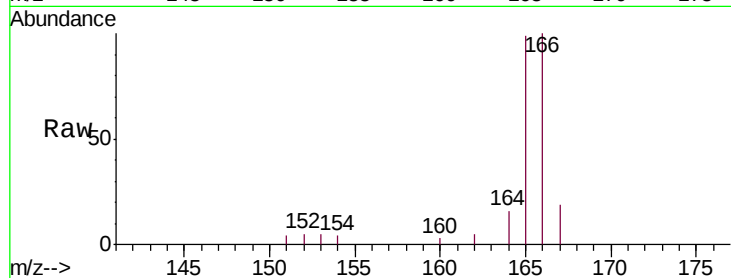
Tgt Ion:166 Resp: 2604

Ion Ratio Lower Upper

166 100

165 99.0 78.2 117.4

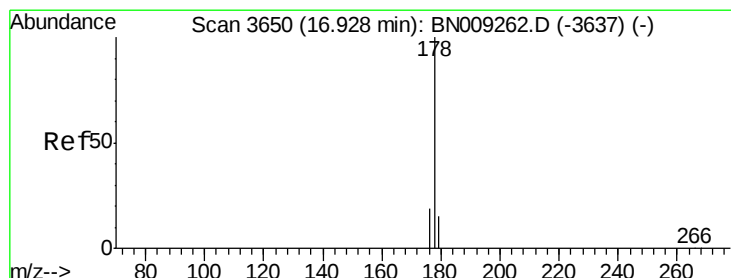
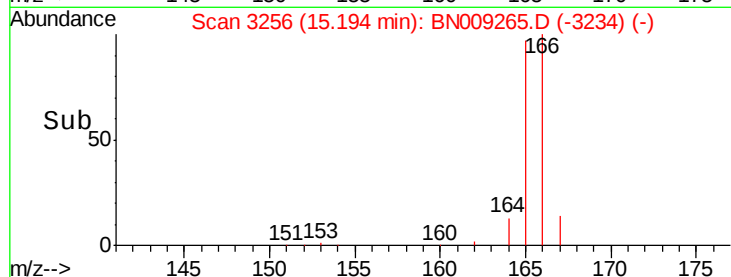
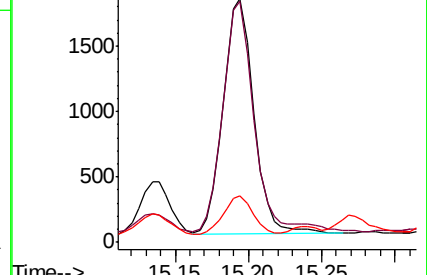
167 19.0 11.0 16.6#



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



#12

Phenanthrene

Concen: 2.183 ng/ul

RT: 16.92 min Scan# 3649

Delta R.T. -0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

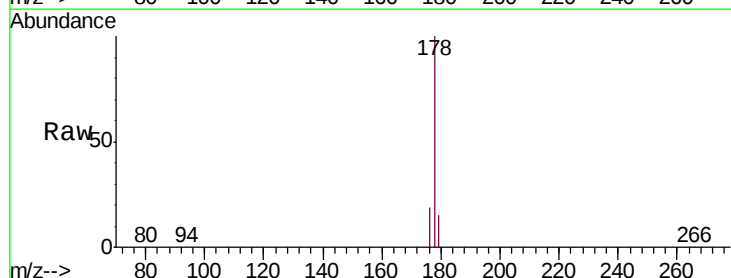
Tgt Ion:178 Resp: 76713

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

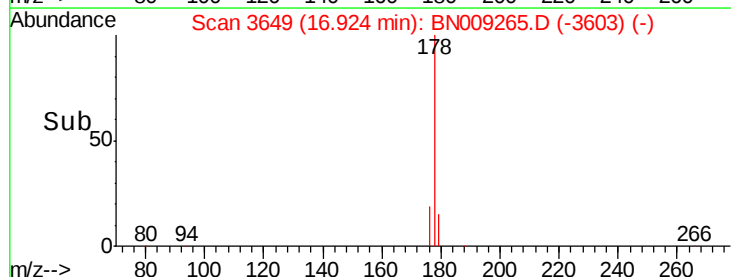
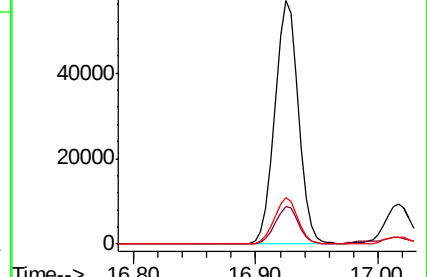
176 19.1 15.1 22.7

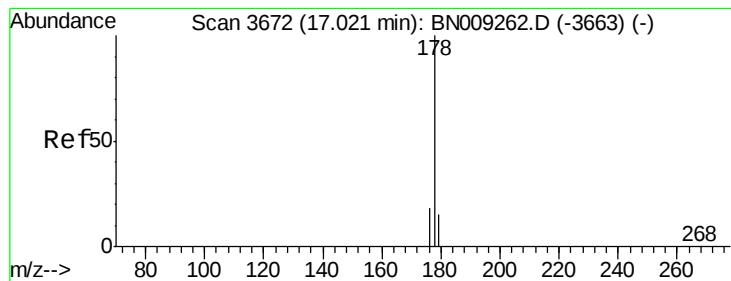


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#13

Anthracene

Concen: 0.422 ng/ul

RT: 17.02 min Scan# 3671

Delta R.T. -0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

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C0BT7

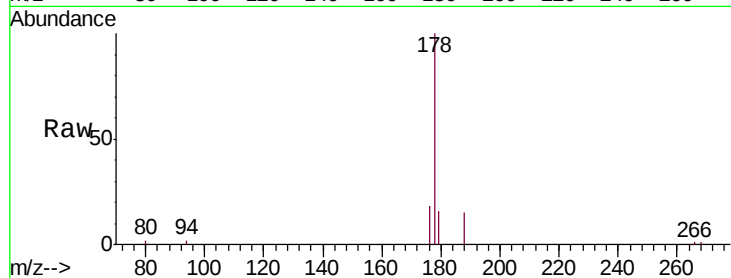
Tgt Ion:178 Resp: 13297

Ion Ratio Lower Upper

178 100

179 16.3 12.5 18.7

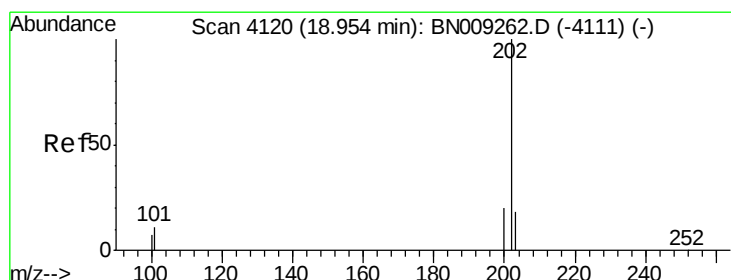
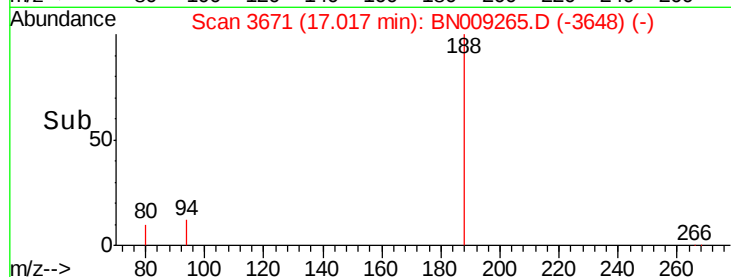
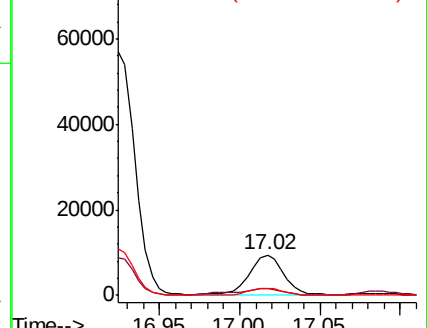
176 18.4 14.9 22.3



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: 3.674 ng/ul

RT: 18.95 min Scan# 4119

Delta R.T. -0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

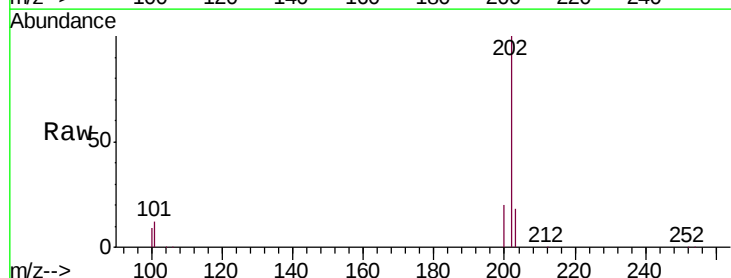
Tgt Ion:202 Resp: 147660

Ion Ratio Lower Upper

202 100

101 11.9 0.0 31.5

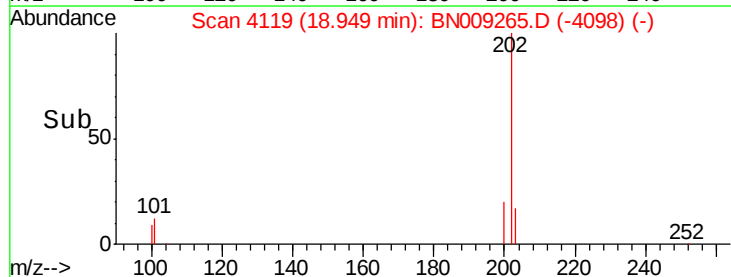
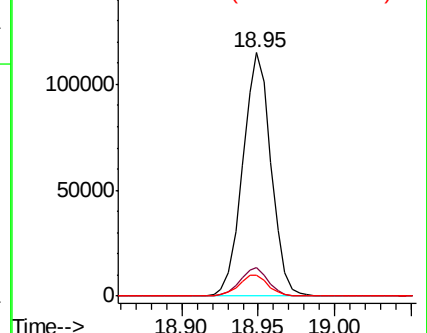
100 8.8 0.0 28.9

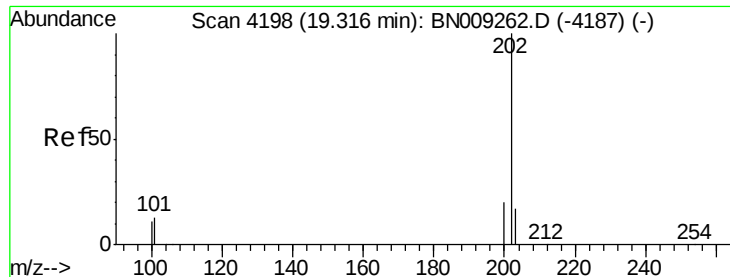


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#17

Pyrene

Concen: 3.302 ng/ul

RT: 19.31 min Scan# 4197

Delta R.T. -0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Instrument :

BNA_N

ClientSampleId :

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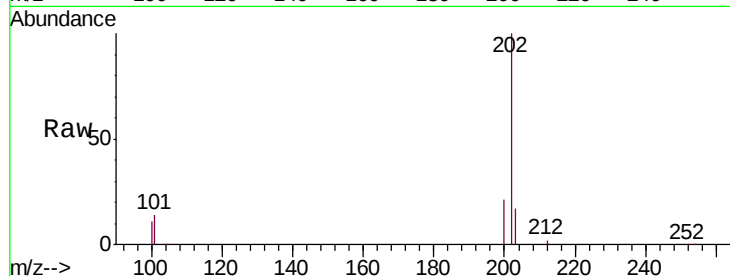
Tgt Ion:202 Resp: 114970

Ion Ratio Lower Upper

202 100

101 14.1 10.9 16.3

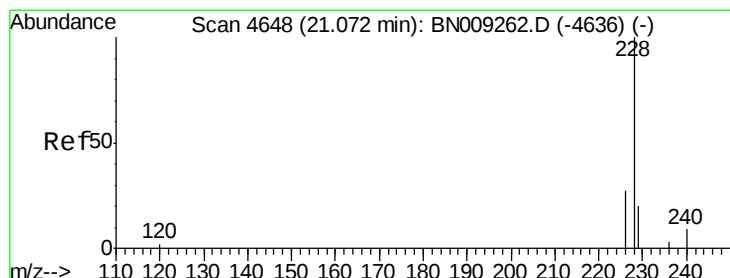
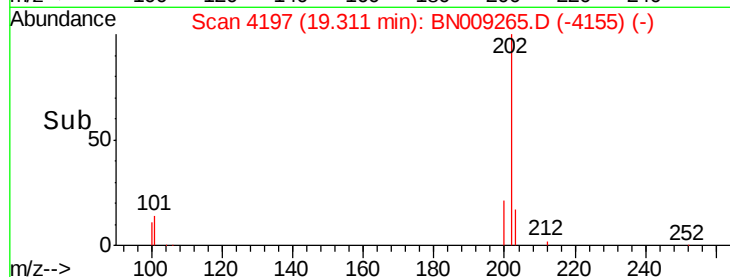
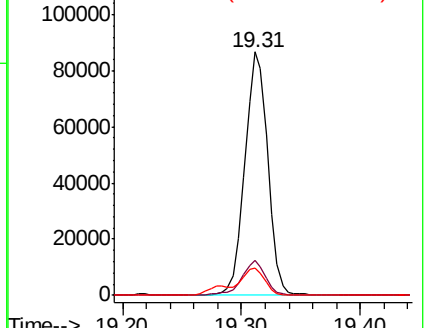
100 11.5 9.0 13.6



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: 1.481 ng/ul

RT: 21.07 min Scan# 4647

Delta R.T. -0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

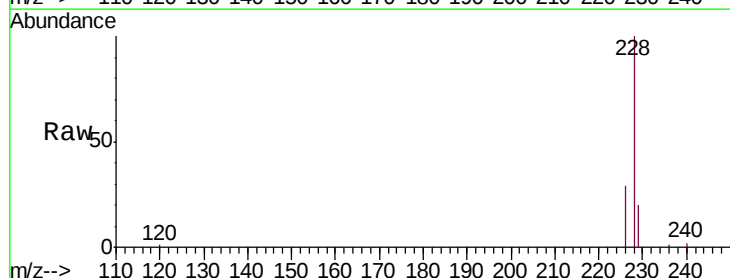
Tgt Ion:228 Resp: 44889

Ion Ratio Lower Upper

228 100

229 20.1 15.5 23.3

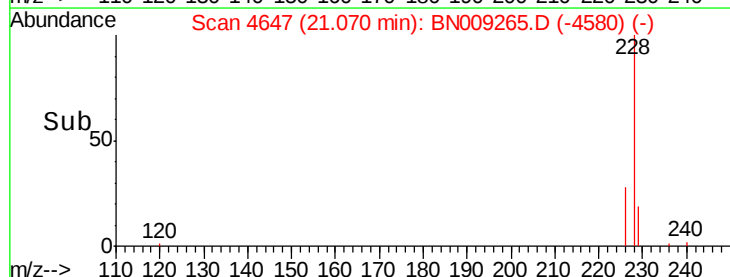
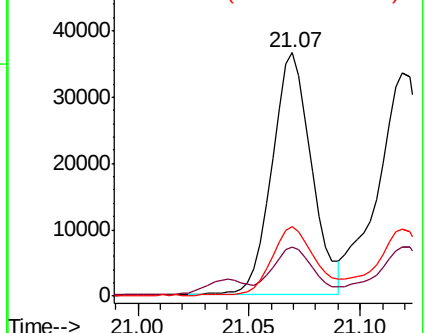
226 28.5 21.7 32.5

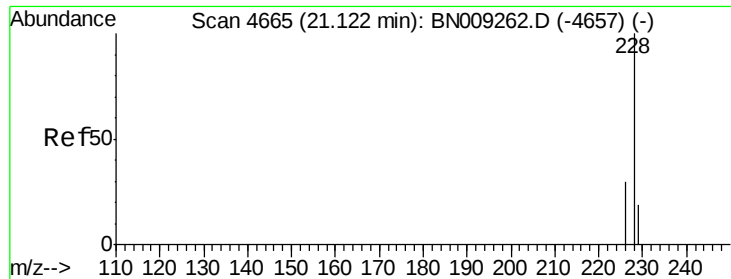


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#19

Chrysene

Concen: 1.628 ng/ul

RT: 21.12 min Scan# 4664

Delta R.T. -0.00 min

Lab File: BN009265.D

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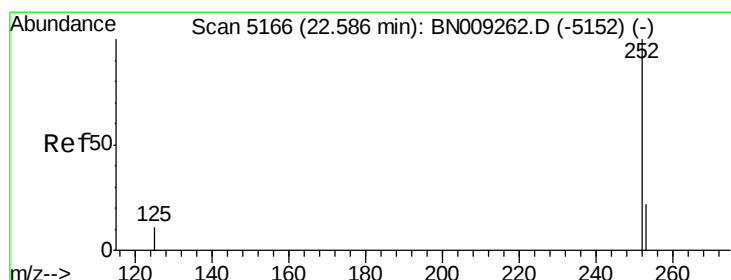
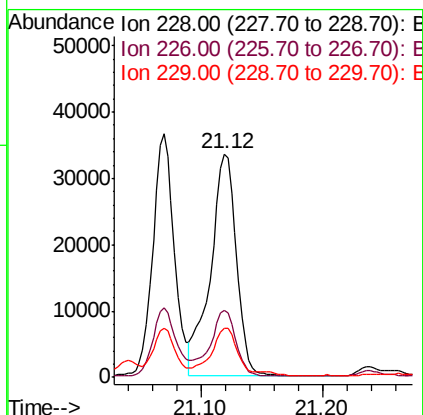
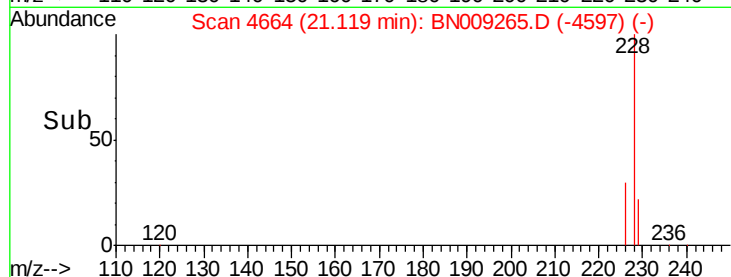
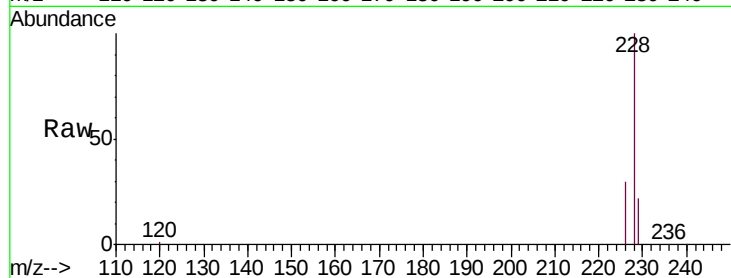
Tgt Ion:228 Resp: 49563

Ion Ratio Lower Upper

228 100

226 30.1 23.7 35.5

229 22.1 15.4 23.0



#21

Benzo(b)fluoranthene

Concen: 2.618 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. 0.00 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

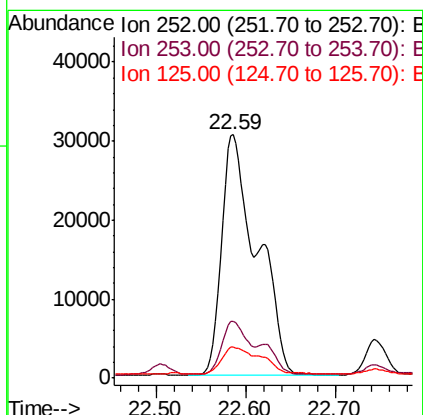
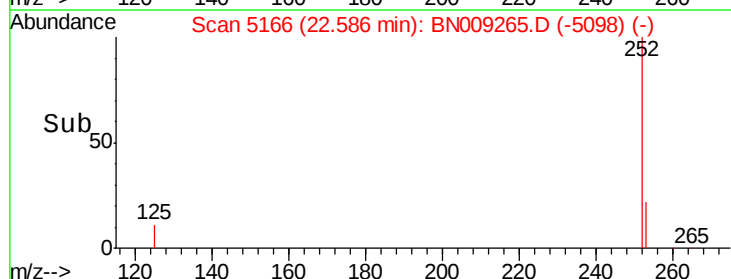
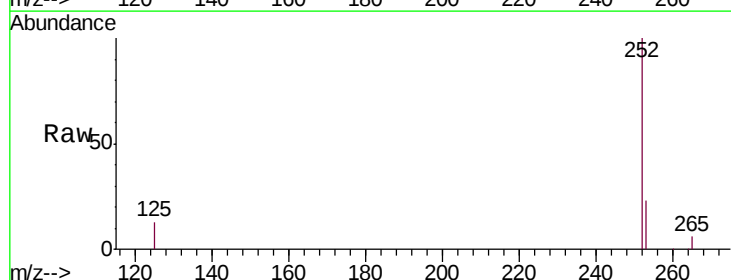
Tgt Ion:252 Resp: 84340

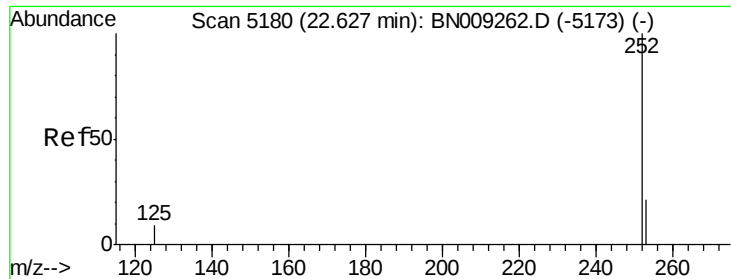
Ion Ratio Lower Upper

252 100

253 23.3 0.0 48.2

125 12.8 0.0 30.0





#22

Benzo(k)fluoranthene

Concen: 2.596 ng/ul

RT: 22.59 min Scan# 5166

Delta R.T. -0.04 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Instrument :

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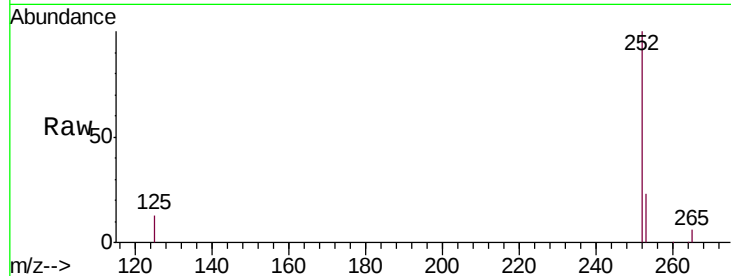
Tgt Ion:252 Resp: 84340

Ion Ratio Lower Upper

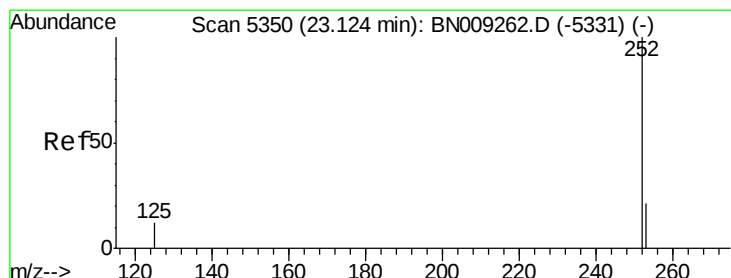
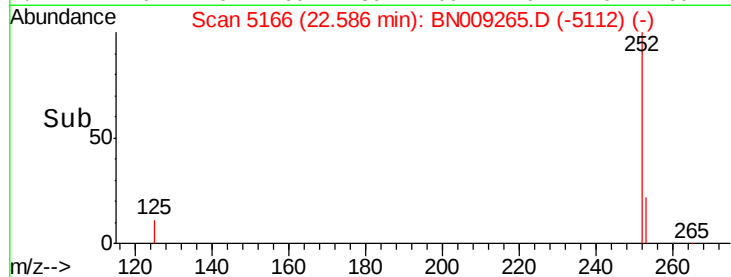
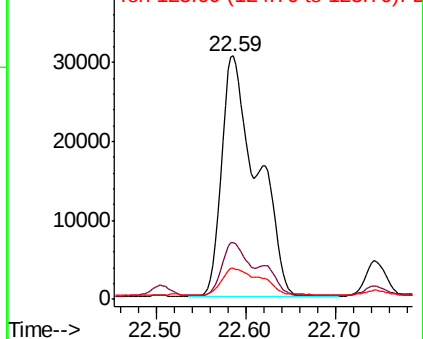
252 100

253 23.3 19.4 29.0

125 12.8 12.4 18.6



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: 1.411 ng/ul

RT: 23.12 min Scan# 5348

Delta R.T. -0.01 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

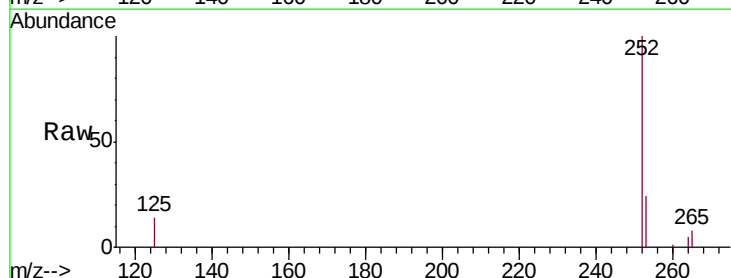
Tgt Ion:252 Resp: 39849

Ion Ratio Lower Upper

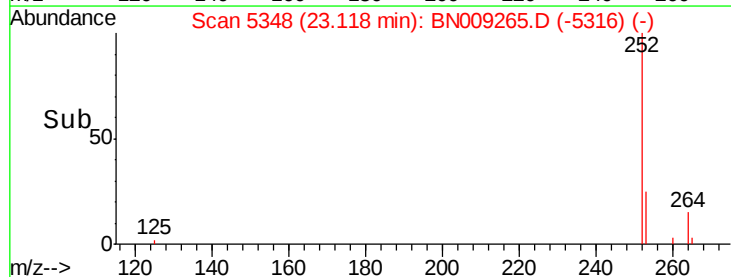
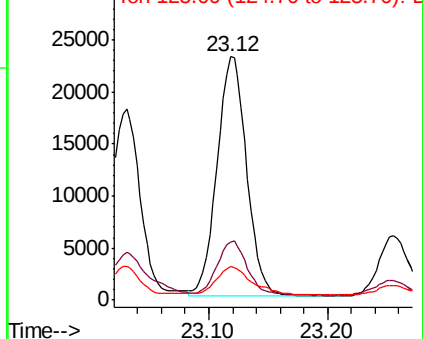
252 100

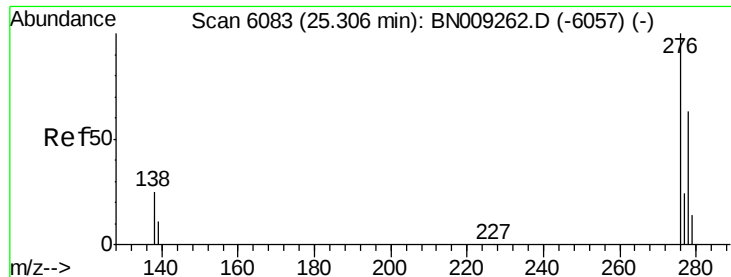
253 24.1 20.2 30.4

125 13.7 13.2 19.8



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: 0.935 ng/ul

RT: 25.30 min Scan# 6081

Delta R.T. -0.01 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

Instrument :

BNA_N

ClientSampleId :

C0BT7

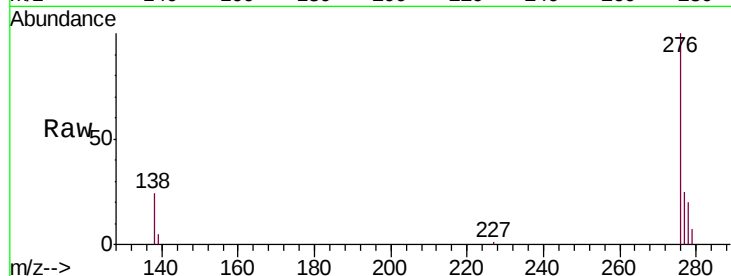
Tgt Ion:276 Resp: 28749

Ion Ratio Lower Upper

276 100

138 22.3 22.4 33.6#

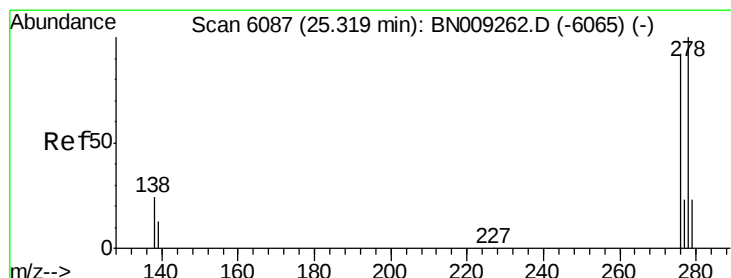
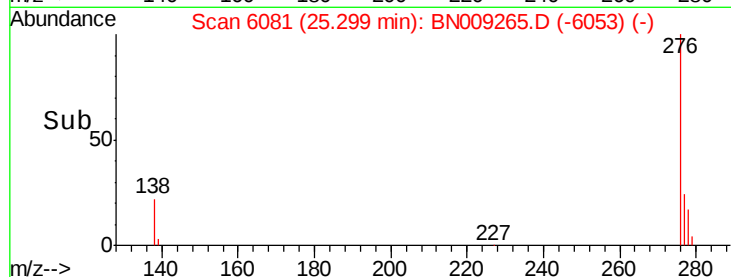
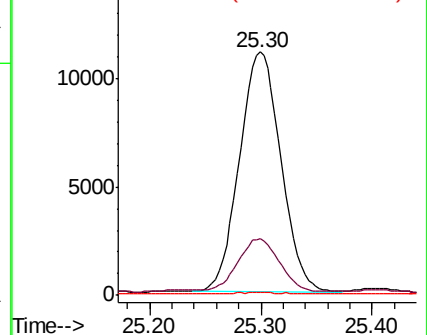
227 0.2 0.2 0.4#



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: 0.266 ng/ul

RT: 25.31 min Scan# 6083

Delta R.T. -0.01 min

Lab File: BN009265.D

Acq: 30 Dec 2019 18:19

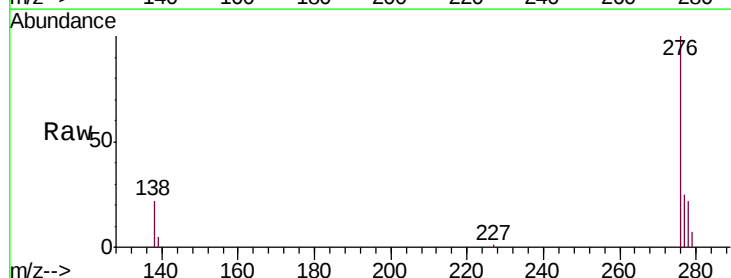
Tgt Ion:278 Resp: 6514

Ion Ratio Lower Upper

278 100

139 22.2 16.2 24.2

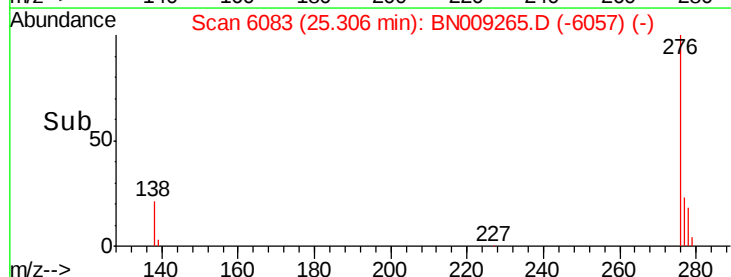
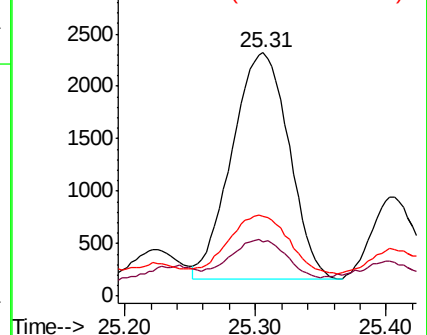
279 32.7 20.3 30.5#

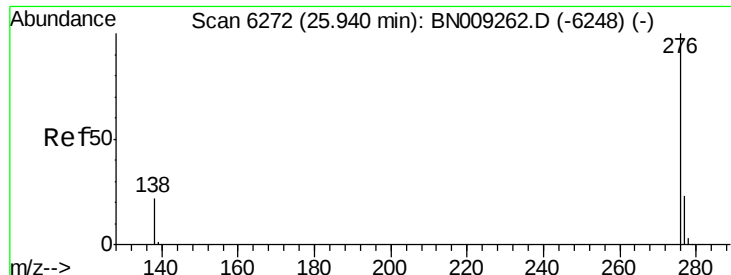


Abundance Ion 278.00 (277.70 to 278.70): E

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: 1.060 ng/ul

RT: 25.93 min Scan# 6269

Delta R.T. -0.01 min

Lab File: BN009265.D

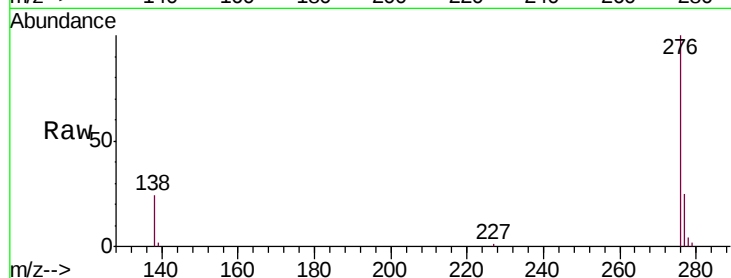
Acq: 30 Dec 2019 18:19

Instrument :

BNA_N

ClientSampleId :

C0BT7



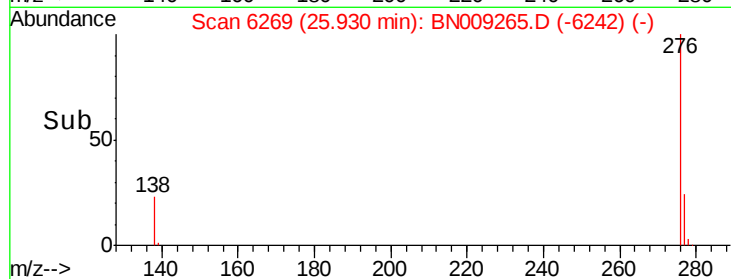
Tgt Ion: 276 Resp: 27457

Ion Ratio Lower Upper

276 100

138 23.8 20.6 30.8

277 25.0 19.6 29.4



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

