

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN082819\
 Data File : BN007444.D
 Acq On : 27 Aug 2019 22:29
 Operator : HP/JU
 Sample : K4337-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 28 00:04:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\SOM-EPA-SIM-BN082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 27 20:30:31 2019
 Response via : Initial Calibration

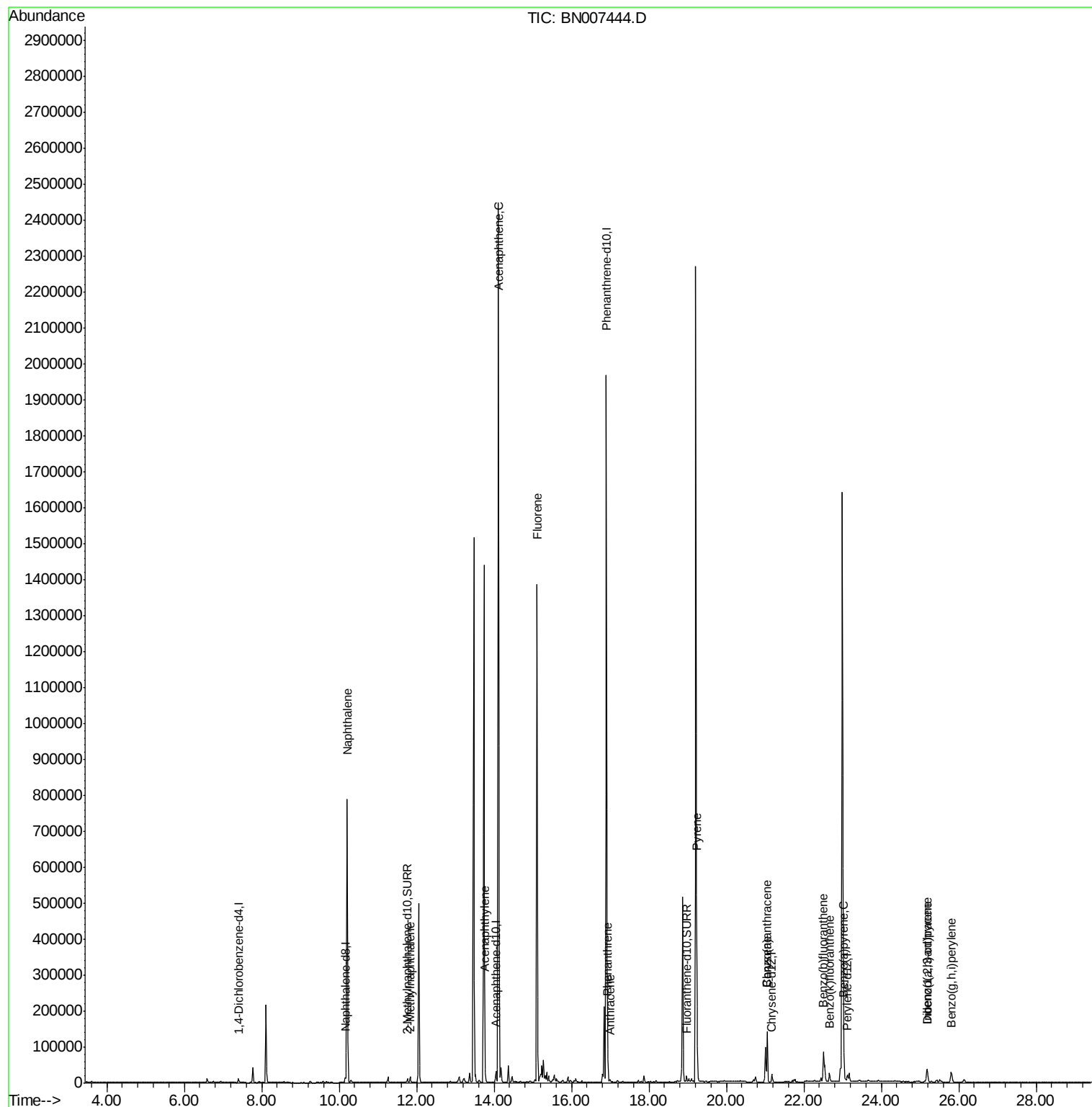
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	5319	0.40	ng/ul	0.00
2) Naphthalene-d8	10.15	136	22561	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.05	164	13214	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.90	188	2201493	0.40	ng/ul	0.09
16) Chrysene-d12	21.15	240	93	0.40	ng/ul	0.13
20) Perylene-d12	23.12	264	26158	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.76	152	14951	0.43	ng/ul	0.00
14) Fluoranthene-d10	18.99	212	670	0.00	ng/ul	0.14
Target Compounds					Ovalue	
3) Naphthalene	10.20	128	1033866	16.227	ng/ul	99
5) 2-Methylnaphthalene	11.83	142	11722	0.274	ng/ul	100
7) Acenaphthylene	13.76	152	37538	0.511	ng/ul#	94
8) Acenaphthene	14.11	153	1419262	26.865	ng/ul	97
9) Fluorene	15.11	166	890153	15.572	ng/ul	97
12) Phenanthrene	16.93	178	108378	0.016	ng/ul	99
13) Anthracene	17.00	178	3354	0.001	ng/ul#	1
17) Pyrene	19.24	202	269845	593.124	ng/ul	99
18) Benzo(a)anthracene	21.05	228	125752	302.418	ng/ul	95
19) Chrysene	21.05	228	125298	280.649	ng/ul	99
21) Benzo(b)fluoranthene	22.50	252	168525	1.475	ng/ul	98
22) Benzo(k)fluoranthene	22.66	252	26324	0.220	ng/ul	94
23) Benzo(a)pyrene	23.03	252	86688	0.761	ng/ul	96
24) Indeno(1,2,3-cd)pyrene	25.18	276	59233	0.465	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.18	278	12897	0.128	ng/ul#	86
26) Benzo(a,h,i)perylene	25.81	276	56007	0.515	ng/ul	100

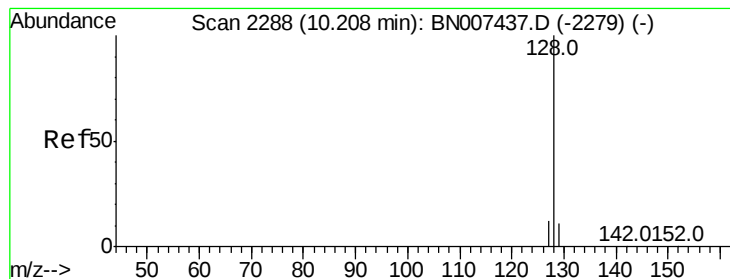
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 27 20:30:31 2019
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#3

Naphthalene

Concen: 16.227 ng/ul

RT: 10.20 min Scan# 2287

Delta R.T. -0.01 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

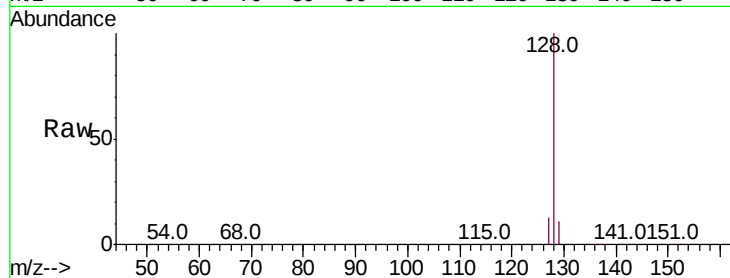
Instrument :

BNA_N

ClientSampleId :

Tot Ion:128 Resp: 1033866

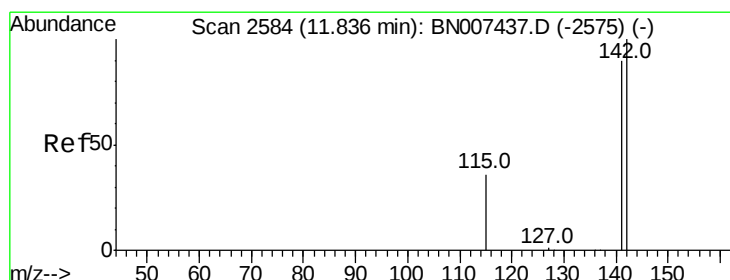
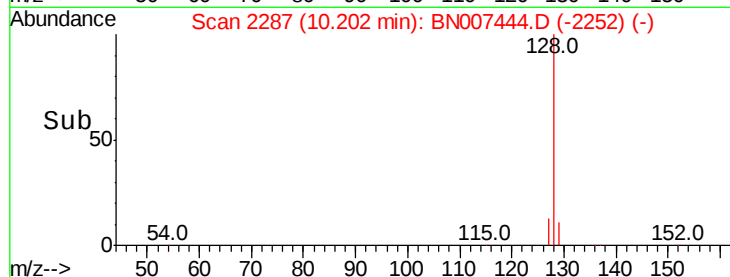
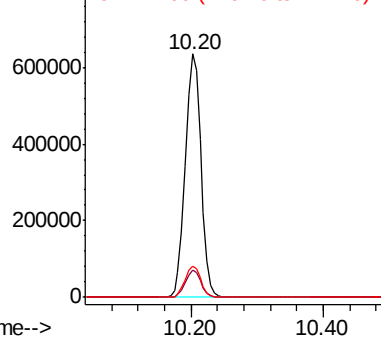
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.2	13.8
127	12.9	10.4	15.6



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: 0.274 ng/ul

RT: 11.83 min Scan# 2583

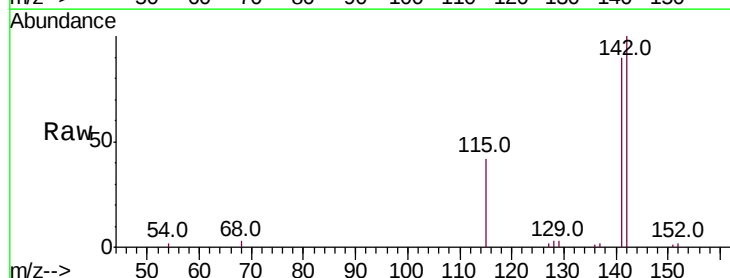
Delta R.T. -0.01 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

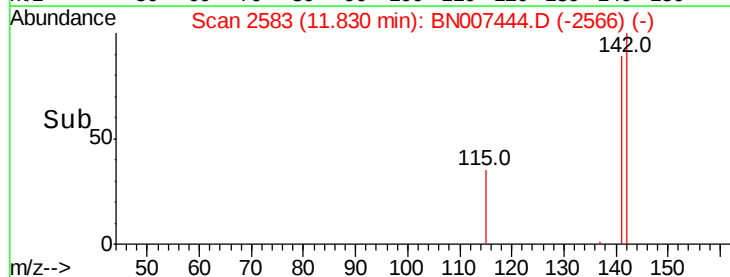
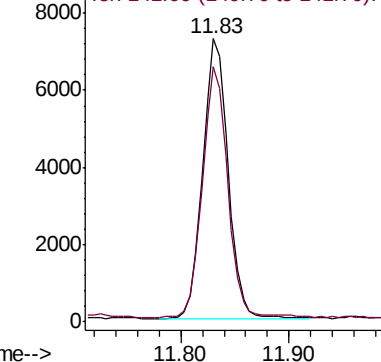
Tgt Ion:142 Resp: 11722

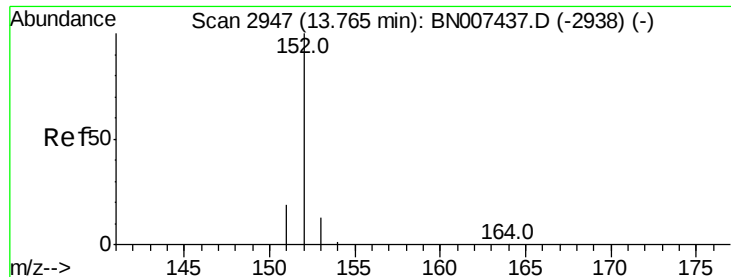
Ion	Ratio	Lower	Upper
142	100		
141	89.9	71.7	107.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.511 ng/ul

RT: 13.76 min Scan# 2947

Delta R.T. -0.00 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

ClientSampleId :

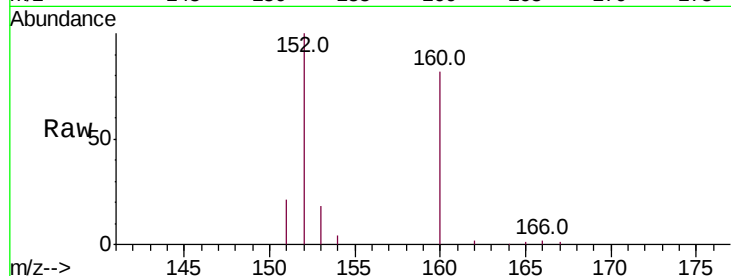
Tot Ion:152 Resp: 37538

Ion Ratio Lower Upper

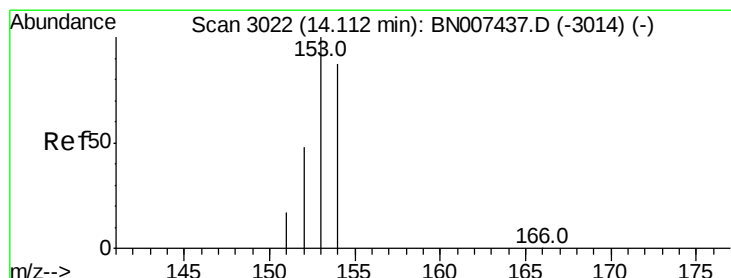
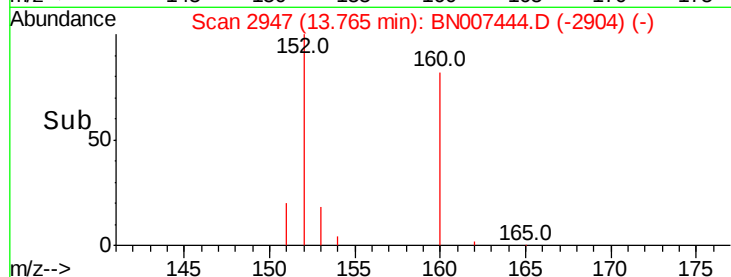
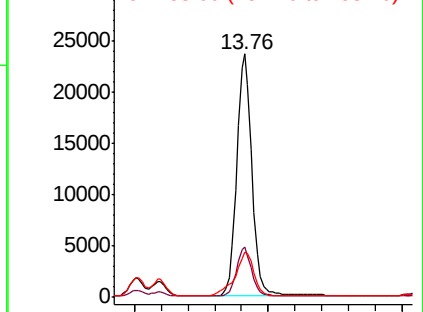
152 100

151 20.7 15.8 23.6

153 18.4 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: 26.865 ng/ul

RT: 14.11 min Scan# 3022

Delta R.T. -0.00 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

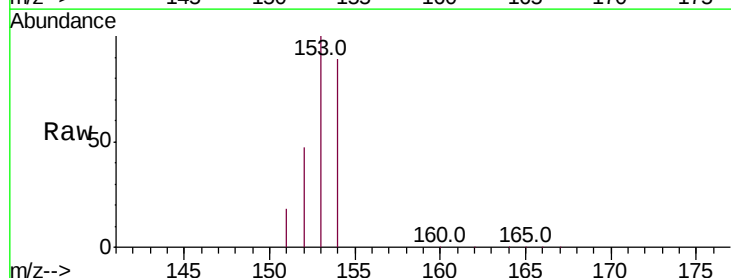
Tgt Ion:153 Resp: 1419262

Ion Ratio Lower Upper

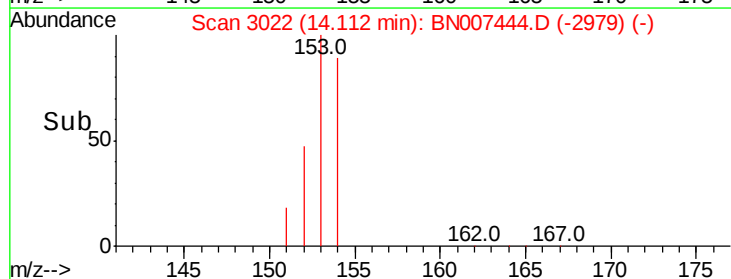
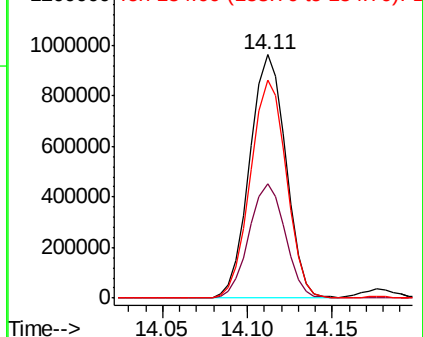
153 100

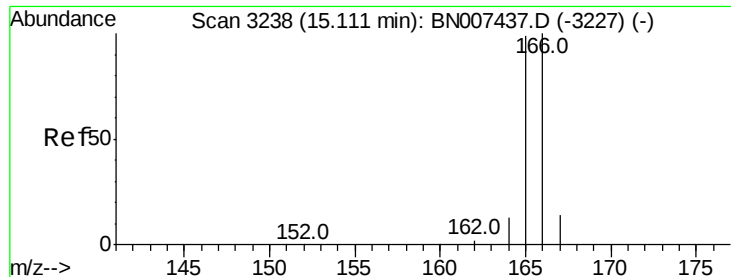
152 47.0 39.1 58.7

154 89.4 69.4 104.2



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: 15.572 ng/ul

RT: 15.11 min Scan# 3237

Delta R.T. -0.00 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

ClientSampleId :

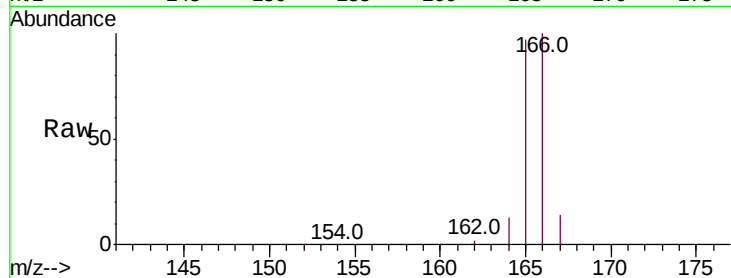
Tot Ion:166 Resp: 890153

Ion Ratio Lower Upper

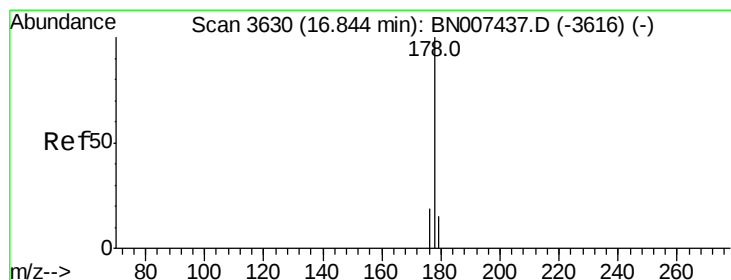
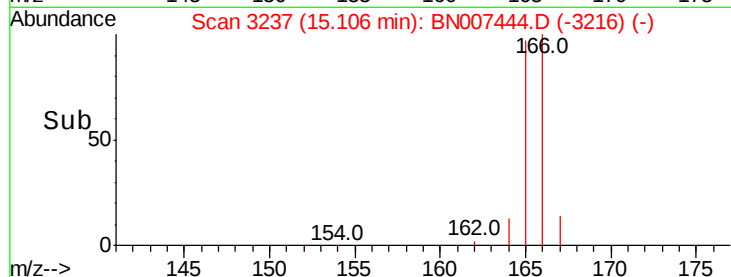
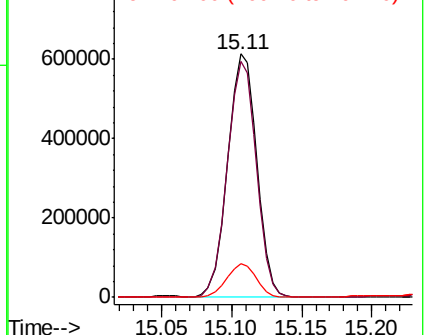
166 100

165 96.8 79.6 119.4

167 13.7 11.7 17.5



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: 0.016 ng/ul

RT: 16.93 min Scan# 3651

Delta R.T. 0.09 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

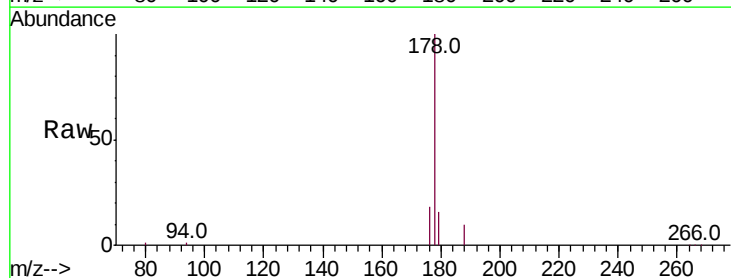
Tgt Ion:178 Resp: 108378

Ion Ratio Lower Upper

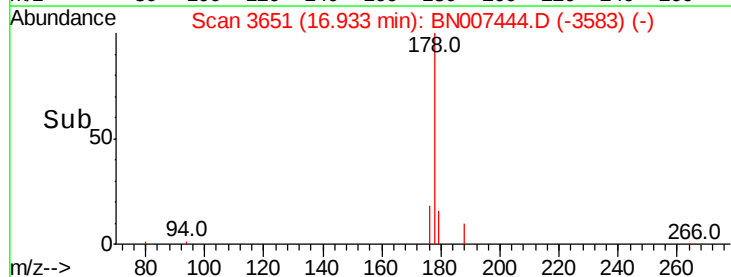
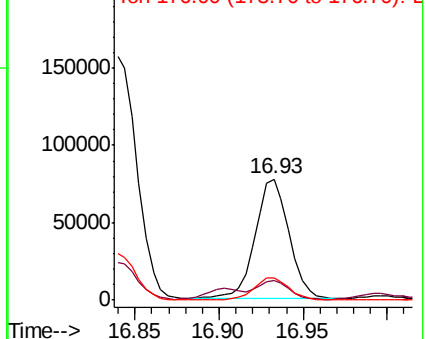
178 100

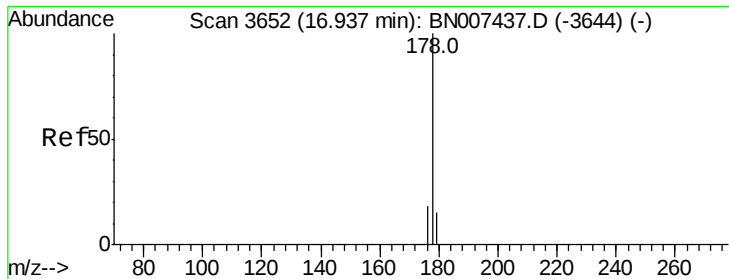
179 16.3 12.8 19.2

176 18.4 15.2 22.8



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: 0.001 ng/ul

RT: 17.00 min Scan# 3666

Delta R.T. 0.06 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

ClientSampleId :

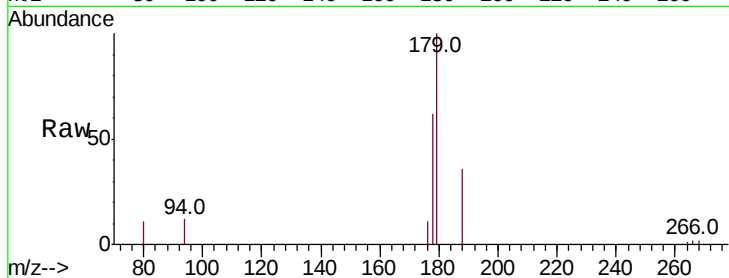
Tot Ion:178 Resp: 3354

Ion Ratio Lower Upper

178 100

179 162.4 12.8 19.2#

176 18.6 14.6 21.8



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

60000

50000

40000

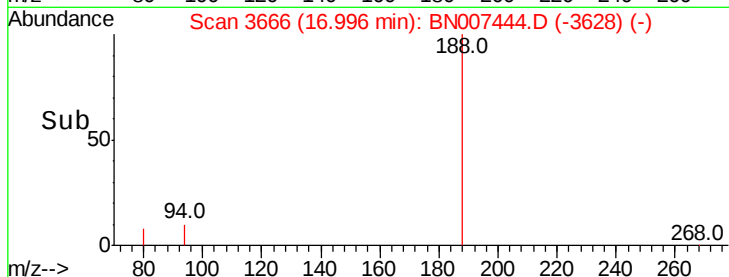
30000

20000

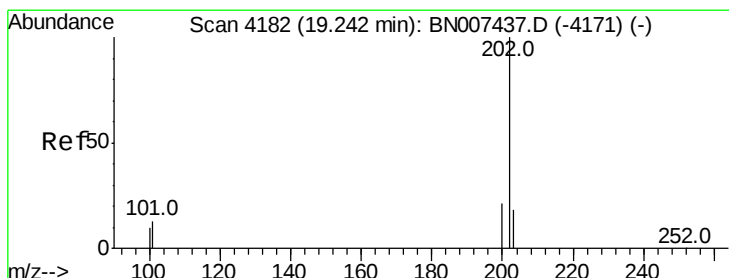
10000

0

Time-->



Time-->



#17

Pyrene

Concen: 593.124 ng/ul

RT: 19.24 min Scan# 4181

Delta R.T. -0.00 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

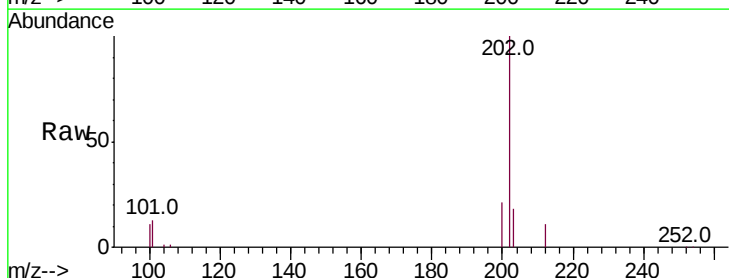
Tgt Ion:202 Resp: 269845

Ion Ratio Lower Upper

202 100

101 13.0 10.7 16.1

100 10.6 8.6 12.8



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

250000

200000

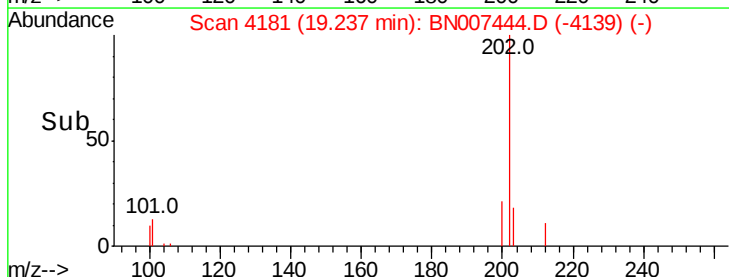
150000

100000

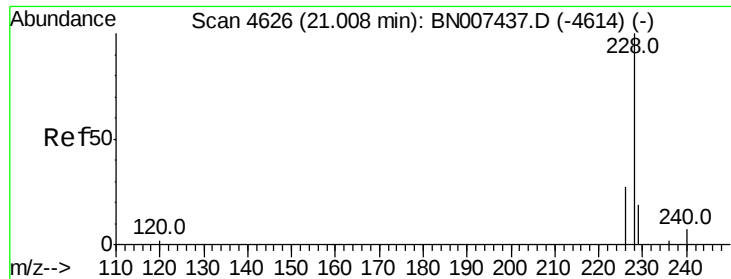
50000

0

Time-->



Time-->



#18

Benzo(a)anthracene

Concen: 302.418 ng/ul

RT: 21.05 min Scan# 4642

Delta R.T. 0.05 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

ClientSampleId :

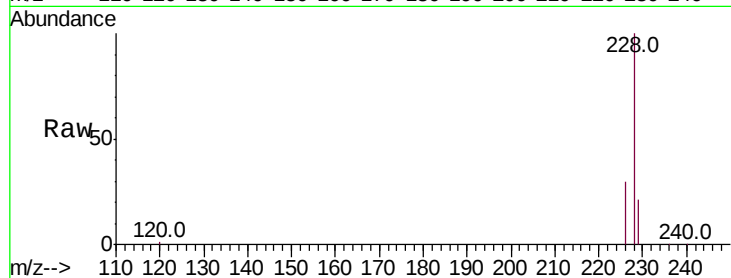
Tot Ion:228 Resp: 125752

Ion Ratio Lower Upper

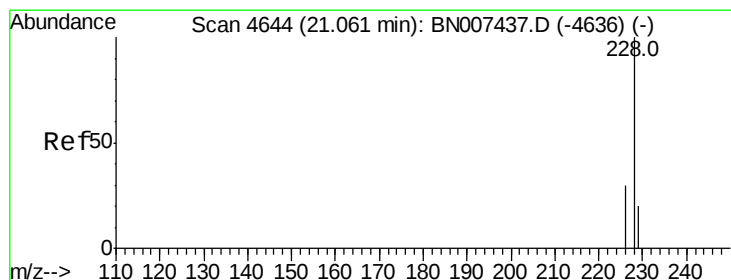
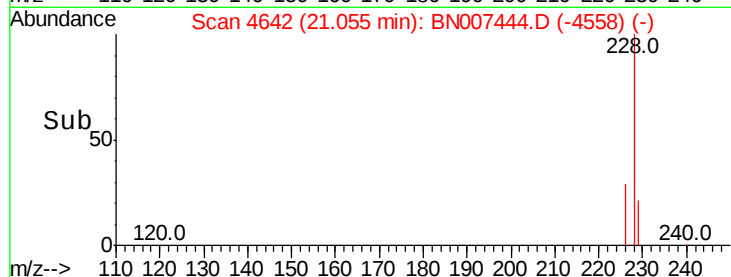
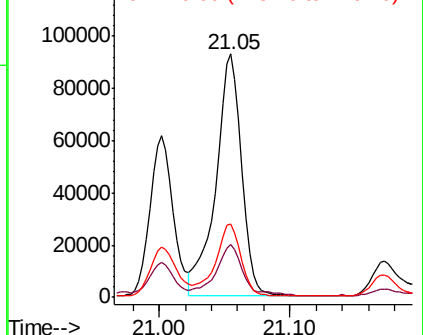
228 100

229 21.5 15.4 23.2

226 29.9 22.0 33.0



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: 280.649 ng/ul

RT: 21.05 min Scan# 4642

Delta R.T. -0.01 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

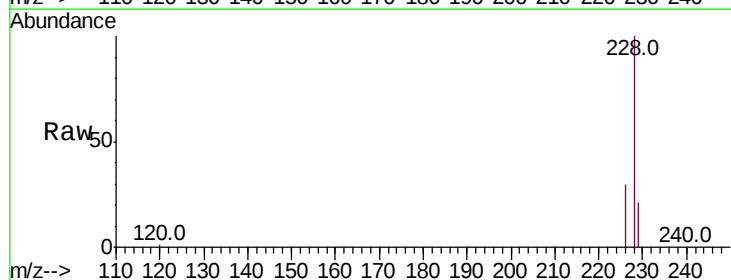
Tgt Ion:228 Resp: 125298

Ion Ratio Lower Upper

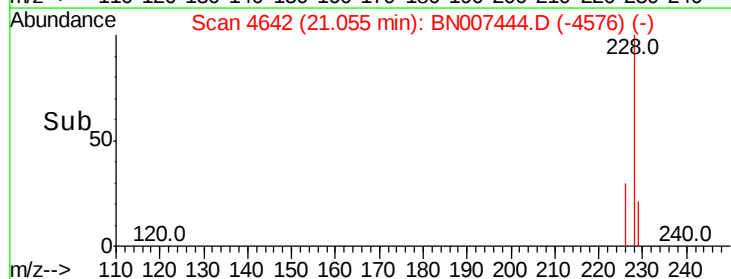
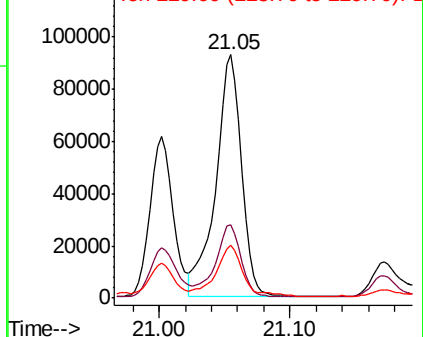
228 100

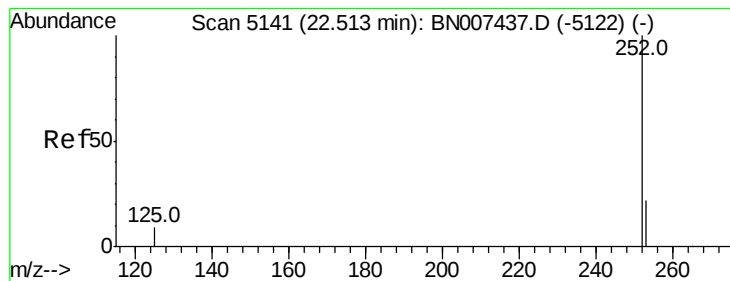
226 29.9 24.1 36.1

229 21.5 16.1 24.1



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: 1.475 ng/u1

RT: 22.50 min Scan# 5138

Delta R.T. -0.01 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

ClientSampleId :

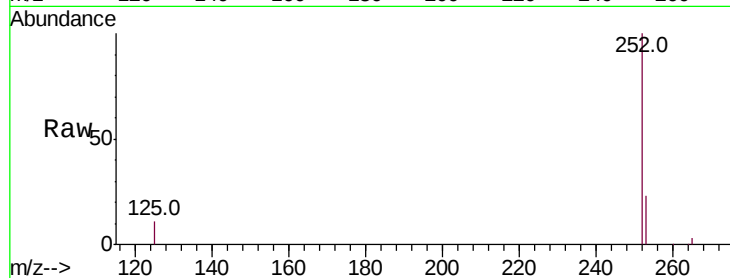
Tot Ion:252 Resp: 168525

Ion Ratio Lower Upper

252 100

253 23.1 0.0 47.0

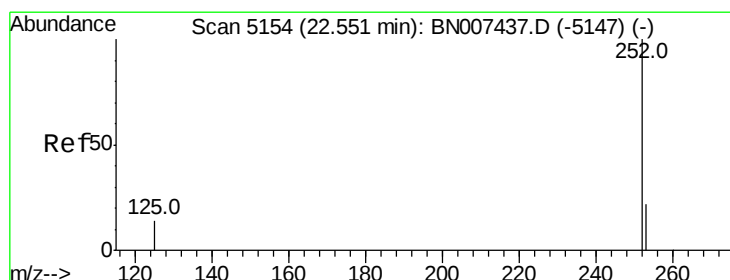
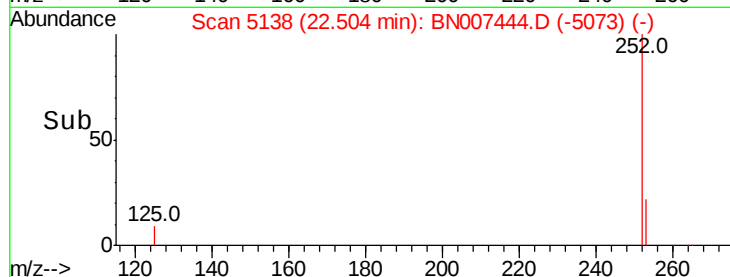
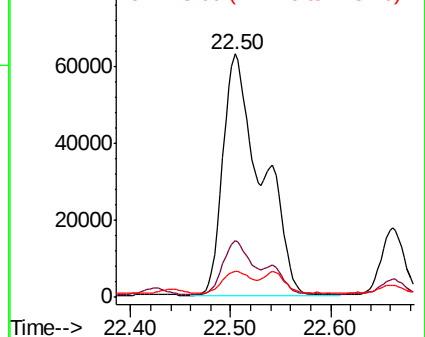
125 10.8 0.0 24.8



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: 0.220 ng/u1

RT: 22.66 min Scan# 5192

Delta R.T. 0.11 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

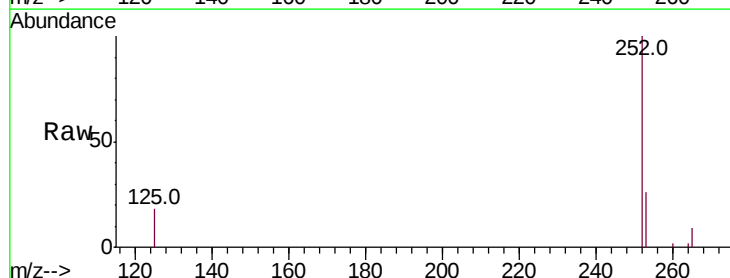
Tgt Ion:252 Resp: 26324

Ion Ratio Lower Upper

252 100

253 26.5 18.7 28.1

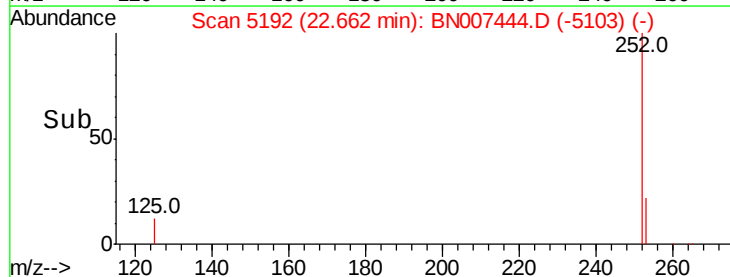
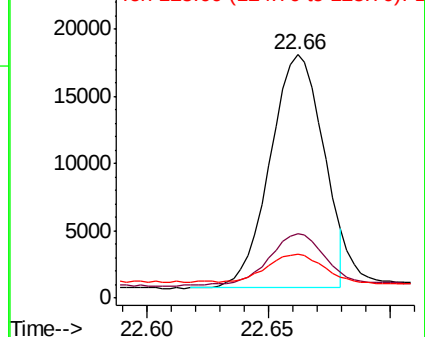
125 17.9 12.4 18.6

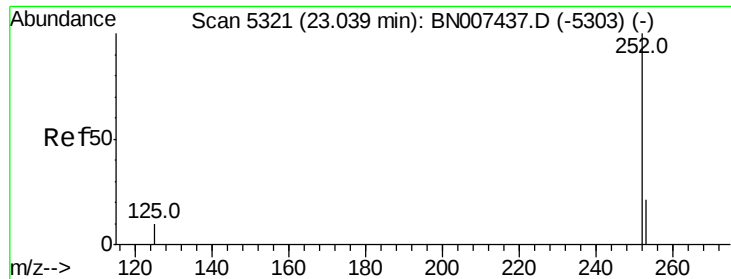


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.761 ng/ul

RT: 23.03 min Scan# 5318

Delta R.T. -0.01 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

ClientSampleId :

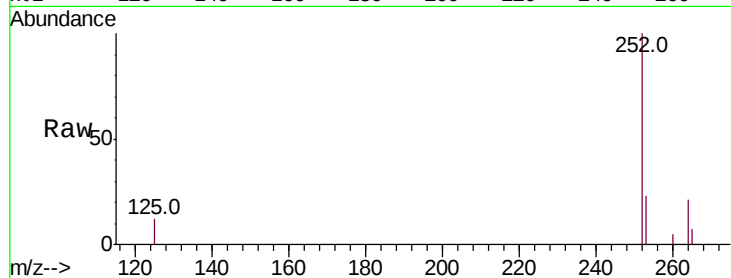
Tot Ion:252 Resp: 86688

Ion Ratio Lower Upper

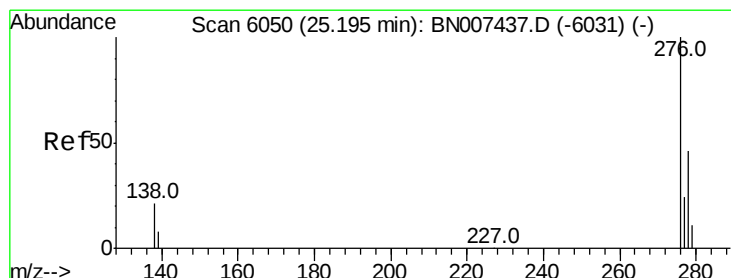
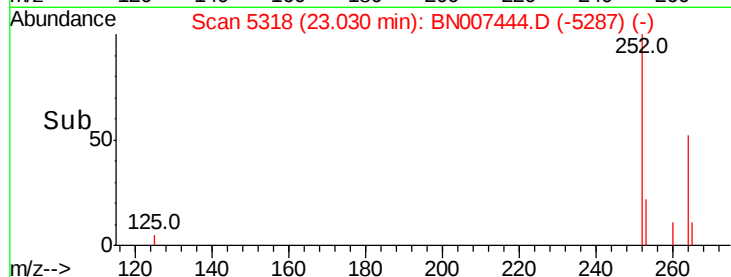
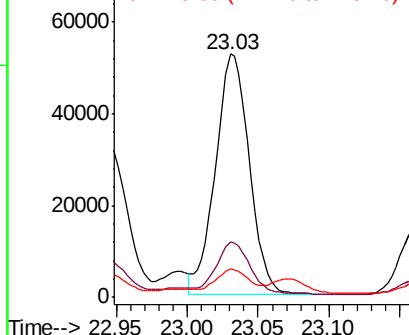
252 100

253 22.8 19.0 28.6

125 11.5 11.2 16.8



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: 0.465 ng/ul

RT: 25.18 min Scan# 6046

Delta R.T. -0.01 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

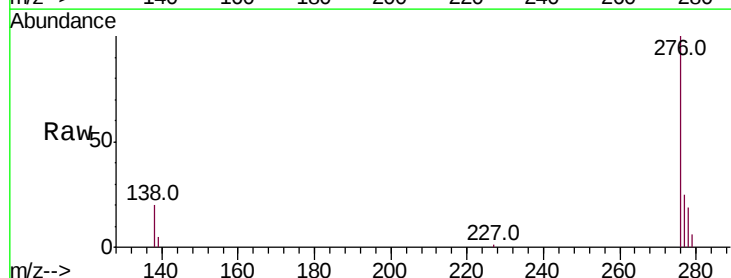
Tgt Ion:276 Resp: 59233

Ion Ratio Lower Upper

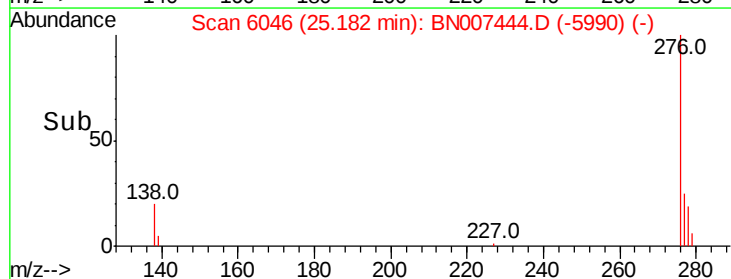
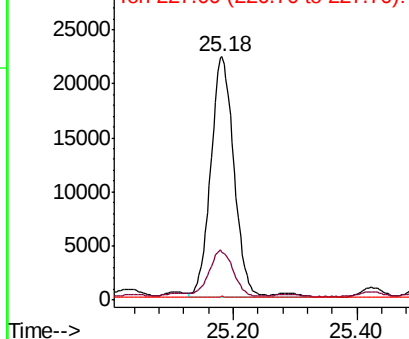
276 100

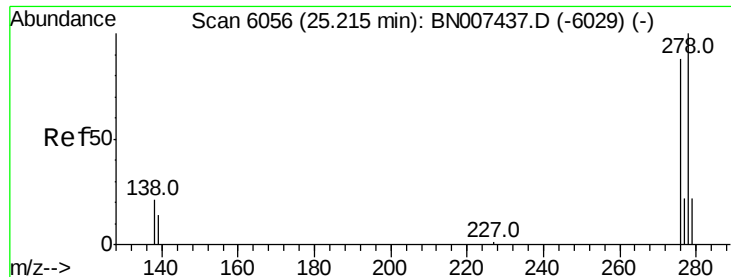
138 20.6 19.7 29.5

227 11.1 0.1 0.1#



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: 0.128 ng/ul

RT: 25.18 min Scan# 6047

Delta R.T. -0.03 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

Instrument :

BNA_N

ClientSampleId :

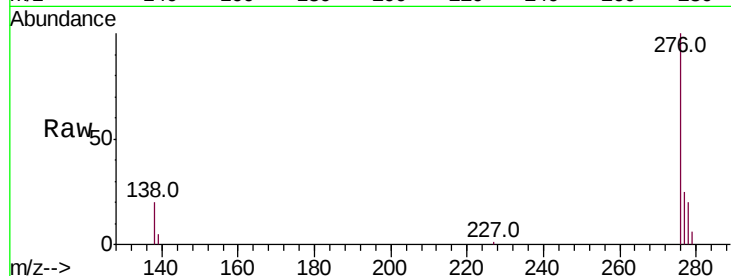
Tot Ion:278 Resp: 12897

Ion Ratio Lower Upper

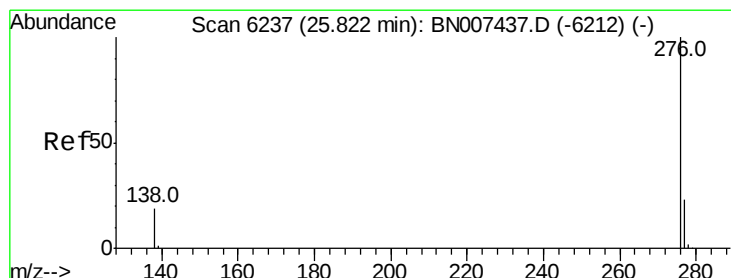
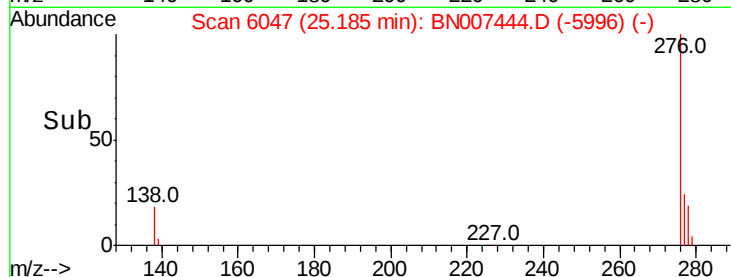
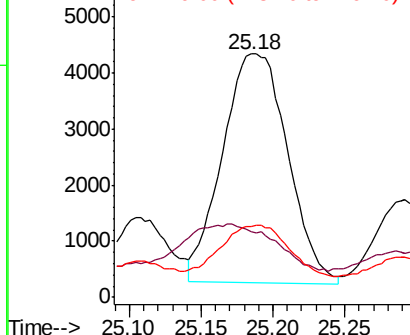
278 100

139 27.1 14.6 21.8#

279 29.3 19.8 29.8



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: 0.515 ng/ul

RT: 25.81 min Scan# 6232

Delta R.T. -0.02 min

Lab File: BN007444.D

Acq: 27 Aug 2019 22:29

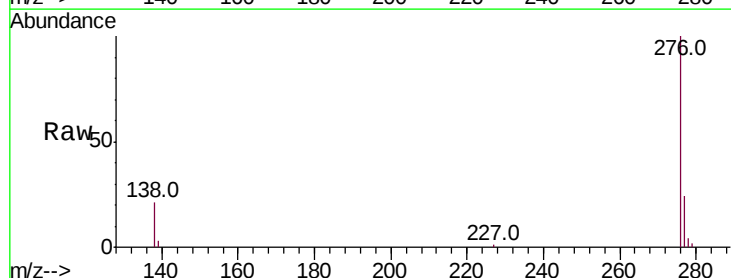
Tgt Ion:276 Resp: 56007

Ion Ratio Lower Upper

276 100

138 21.3 17.1 25.7

277 24.3 19.4 29.0



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

