

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN092118\
 Data File : BN002787.D
 Acq On : 20 Sep 2018 12:38
 Operator : JU/SJ
 Sample : J4914-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 X2D96

Quant Time: Sep 21 03:04:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-SIM-BN092018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 21 03:03:58 2018
 Response via : Initial Calibration

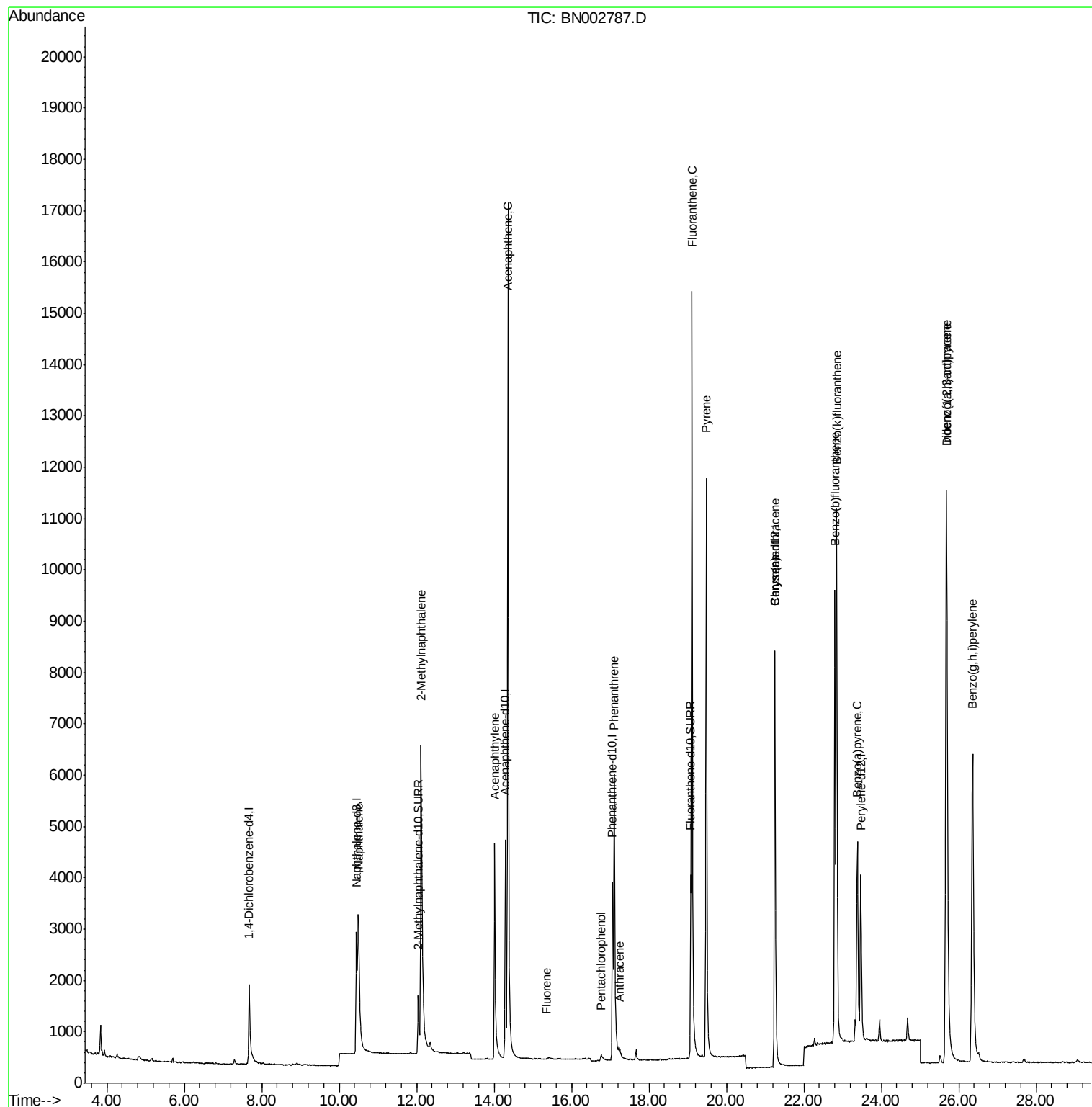
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	1352	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	5853	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.29	164	3056	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.06	188	5950	0.40	ng/ul	0.00
16) Chrysene-d12	21.26	240	5194	0.40	ng/ul	0.00
20) Perylene-d12	23.47	264	5256	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.04	152	2672	0.32	ng/ul	0.00
14) Fluoranthene-d10	19.08	212	4752	0.31	ng/ul	0.00
Target Compounds					Qvalue	
3) Naphthalene	10.50	128	6016	0.409	ng/ul#	96
5) 2-Methylnaphthalene	12.12	142	8345	0.874	ng/ul	98
7) Acenaphthylene	14.01	152	6790	0.526	ng/ul	98
8) Acenaphthene	14.36	153	13038	1.238	ng/ul	96
9) Fluorene	15.34	166	1	0.000	ng/ul#	54
11) Pentachlorophenol	16.76	266	254	0.379	ng/ul	94
12) Phenanthrene	17.10	178	8984	0.547	ng/ul#	89
13) Anthracene	17.23	178	497	0.035	ng/ul#	65
15) Fluoranthene	19.11	202	15630	0.883	ng/ul	96
17) Pyrene	19.48	202	12884	0.761	ng/ul	98
18) Benzo(a)anthracene	21.24	228	7294	0.508	ng/ul#	86
19) Chrysene	21.24	228	7235	0.432	ng/ul	97
21) Benzo(b)fluoranthene	22.80	252	11894	0.685	ng/ul	86
22) Benzo(k)fluoranthene	22.85	252	15251	0.835	ng/ul#	88
23) Benzo(a)pyrene	23.38	252	7457	0.448	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.68	276	13677	0.682	ng/ul#	90
25) Dibenzo(a,h)anthracene	25.69	278	13604	0.847	ng/ul#	91
26) Benzo(g,h,i)perylene	26.36	276	14741	0.851	ng/ul	96

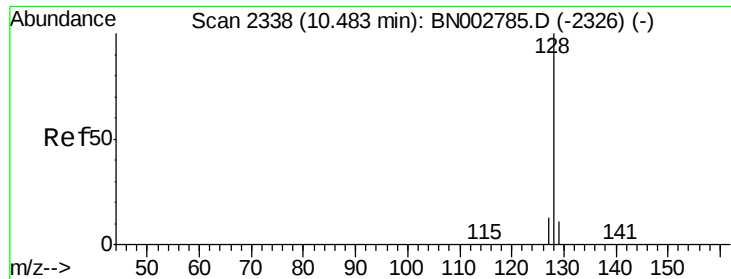
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.409 ng/ul

RT: 10.50 min Scan# 2341

Delta R.T. 0.02 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

Instrument :

BNA_N

ClientSampleId :

X2D96

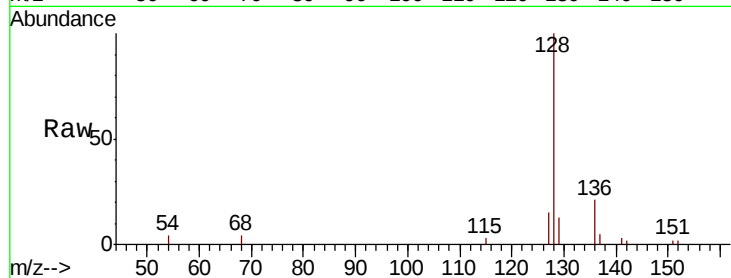
Tgt Ion:128 Resp: 6016

Ion Ratio Lower Upper

128 100

129 13.0 8.0 12.0#

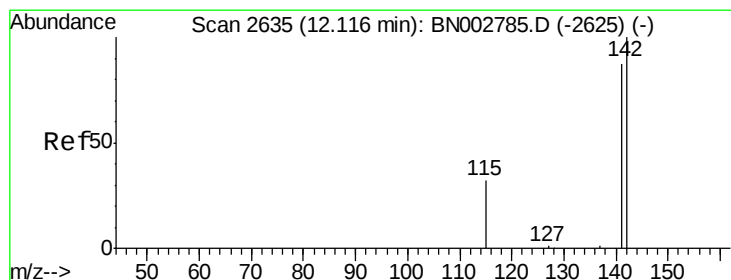
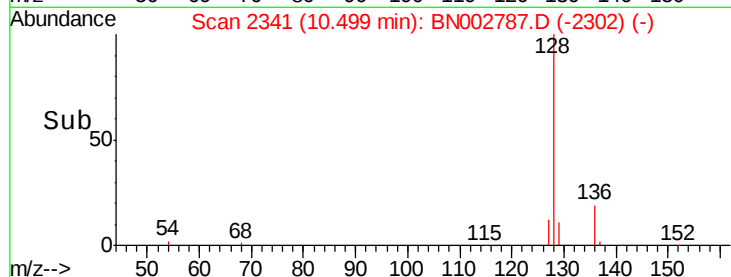
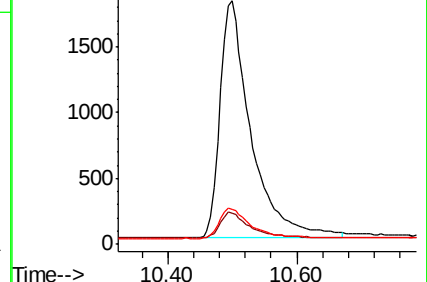
127 14.5 12.0 18.0



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: 0.874 ng/ul

RT: 12.12 min Scan# 2635

Delta R.T. -0.00 min

Lab File: BN002787.D

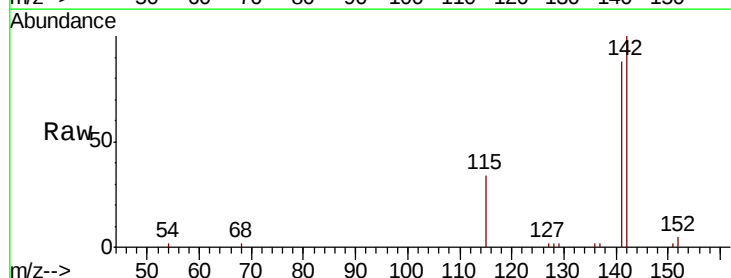
Acq: 20 Sep 2018 12:38

Tgt Ion:142 Resp: 8345

Ion Ratio Lower Upper

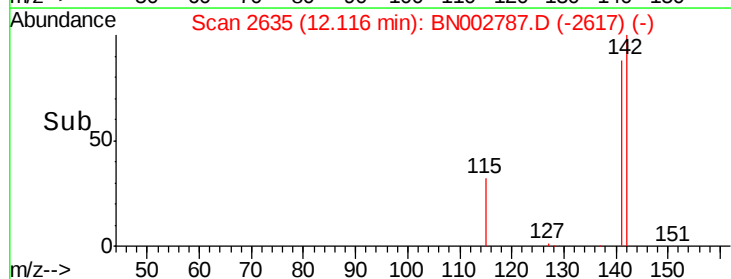
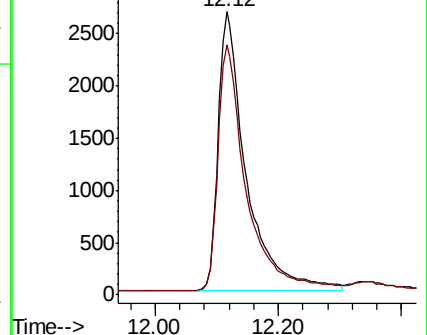
142 100

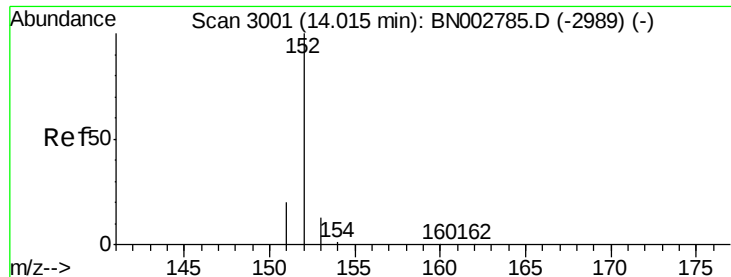
141 89.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.526 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

Instrument :

BNA_N

ClientSampleId :

X2D96

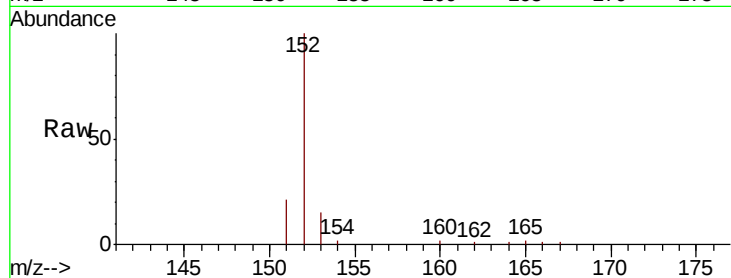
Tgt Ion:152 Resp: 6790

Ion Ratio Lower Upper

152 100

151 20.7 17.1 25.7

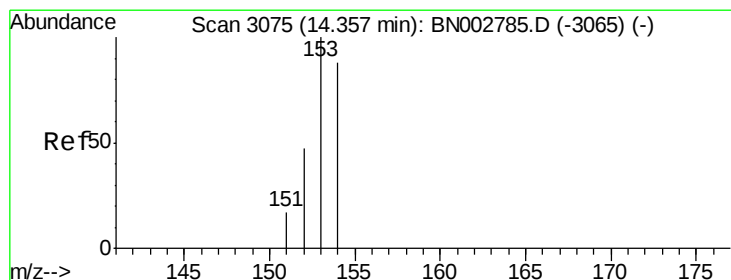
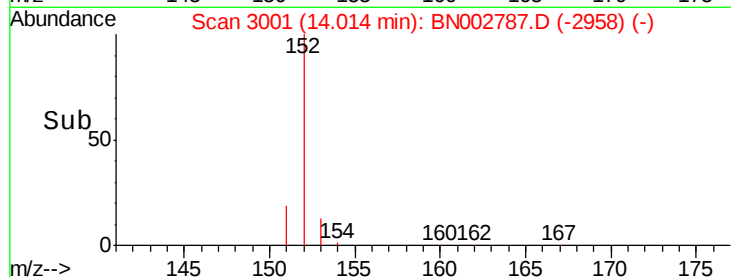
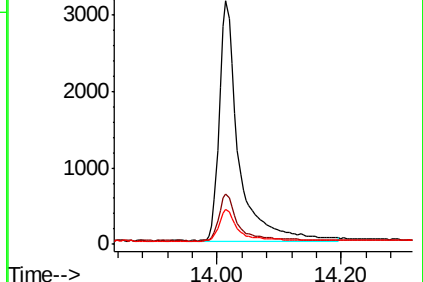
153 14.5 12.8 19.2



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: 1.238 ng/ul

RT: 14.36 min Scan# 3075

Delta R.T. -0.00 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

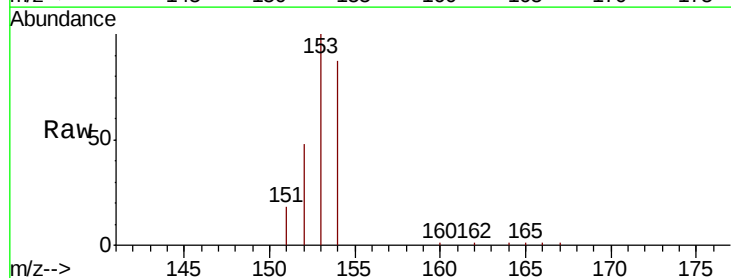
Tgt Ion:153 Resp: 13038

Ion Ratio Lower Upper

153 100

152 48.3 36.0 54.0

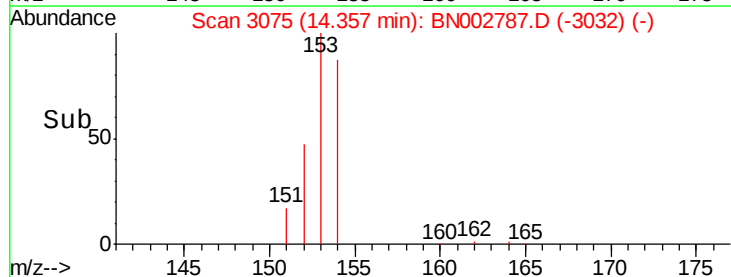
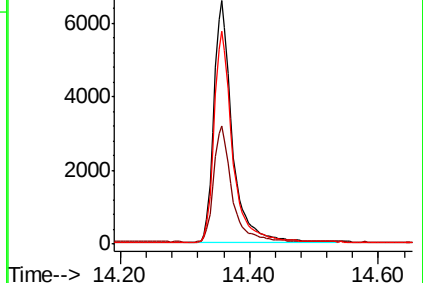
154 87.4 72.0 108.0

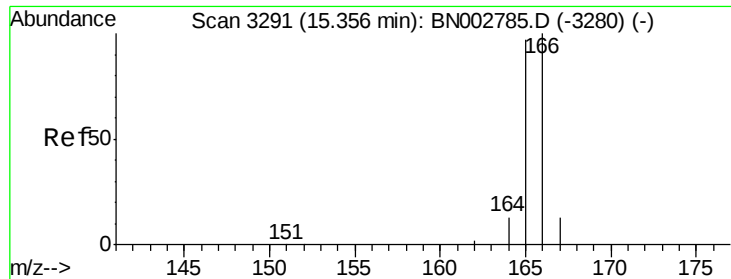


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

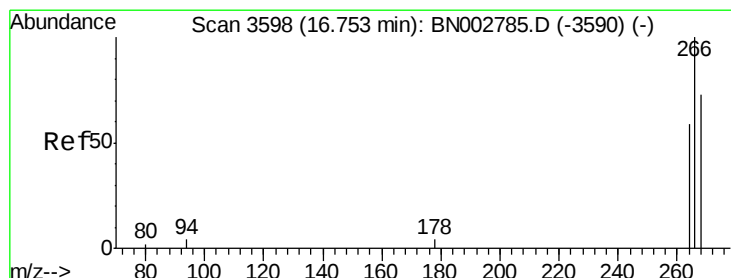
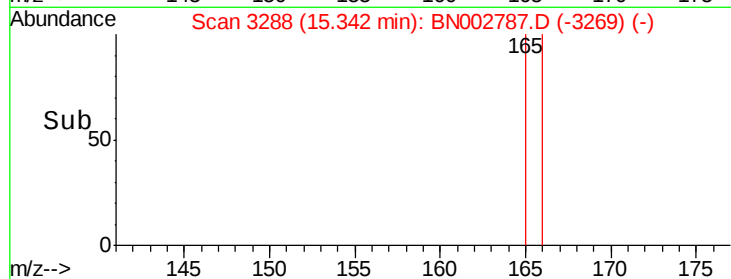
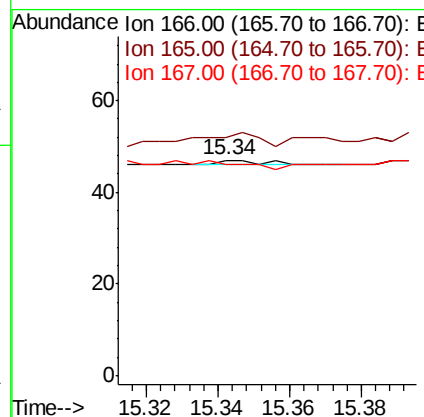
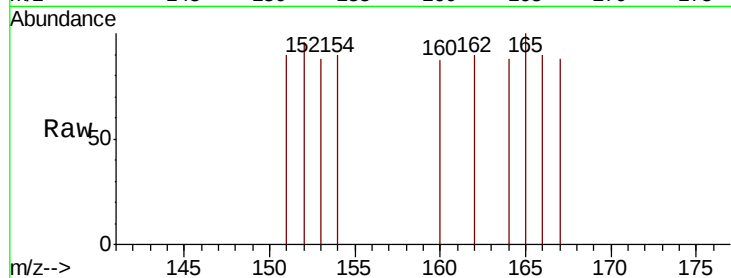




#9
 Fluorene
 Concen: 0.000 ng/ul
 RT: 15.34 min Scan# 3288
 Delta R.T. -0.01 min
 Lab File: BN002787.D
 Acq: 20 Sep 2018 12:38

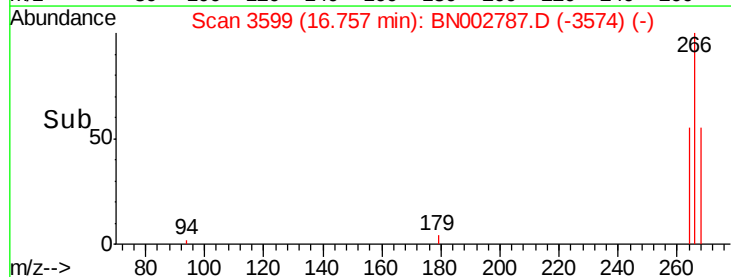
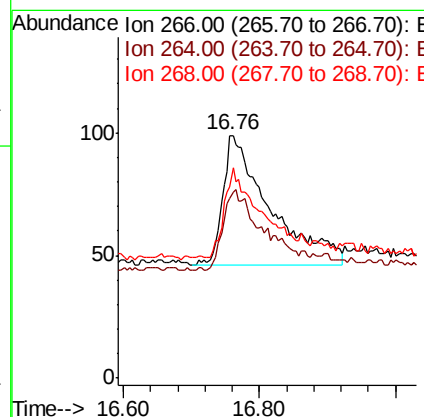
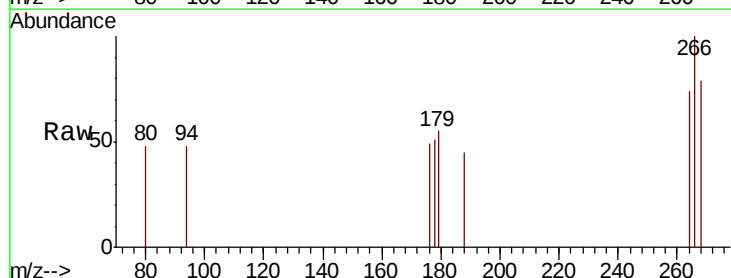
Instrument :
 BNA_N
 ClientSampleId :
 X2D96

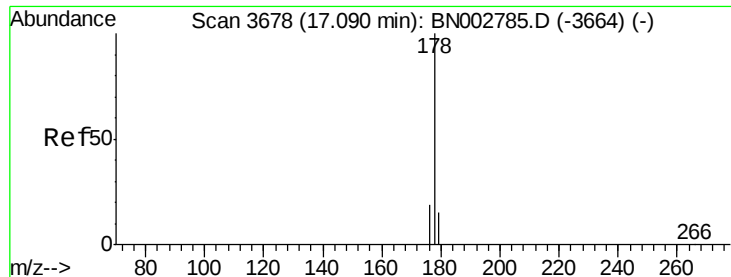
Tgt Ion:166 Resp: 1
 Ion Ratio Lower Upper
 166 100
 165 110.6 73.4 110.2#
 167 97.9 14.6 22.0#



#11
 Pentachlorophenol
 Concen: 0.379 ng/ul
 RT: 16.76 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: BN002787.D
 Acq: 20 Sep 2018 12:38

Tgt Ion:266 Resp: 254
 Ion Ratio Lower Upper
 266 100
 264 55.5 47.9 71.9
 268 57.1 49.8 74.8





#12

Phenanthrene

Concen: 0.547 ng/ul

RT: 17.10 min Scan# 3681

Delta R.T. 0.01 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

Instrument :

BNA_N

ClientSampleId :

X2D96

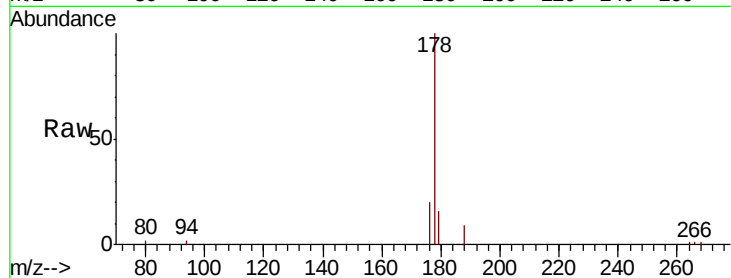
Tgt Ion:178 Resp: 8984

Ion Ratio Lower Upper

178 100

179 16.1 18.4 27.6#

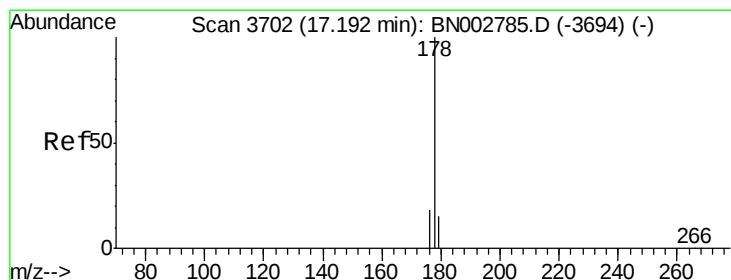
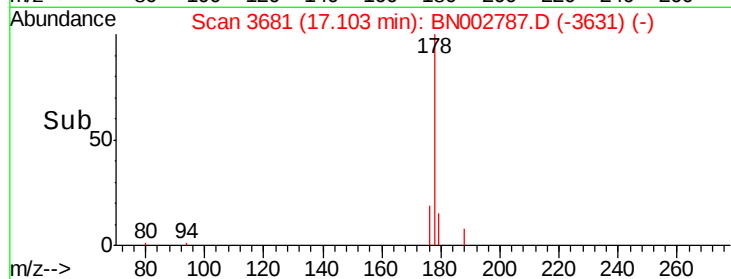
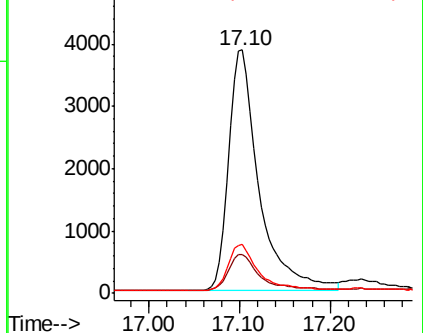
176 19.9 13.6 20.4



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: 0.035 ng/ul

RT: 17.23 min Scan# 3712

Delta R.T. 0.04 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

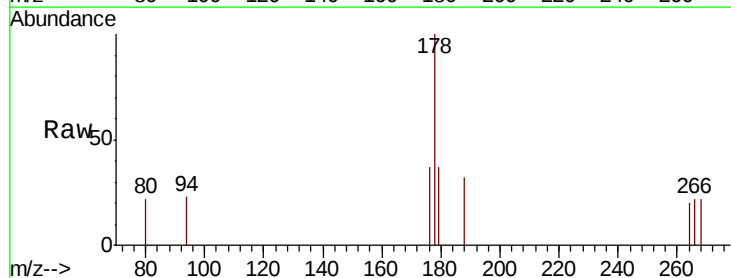
Tgt Ion:178 Resp: 497

Ion Ratio Lower Upper

178 100

179 37.0 18.1 27.1#

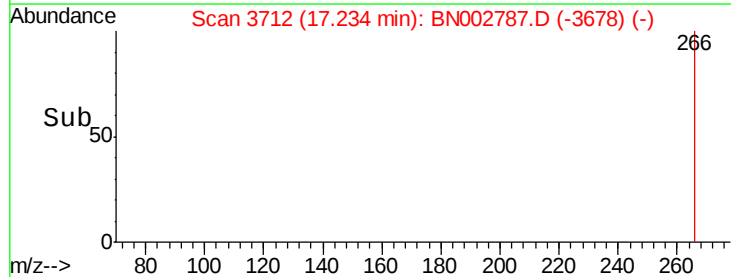
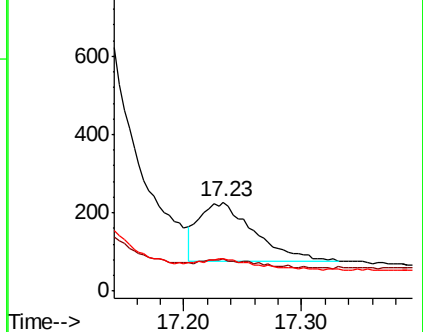
176 36.6 14.7 22.1#

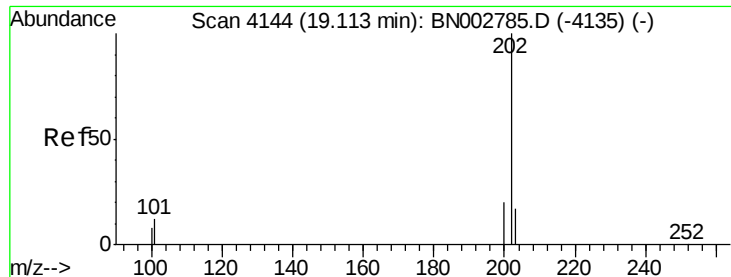


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.883 ng/ul

RT: 19.11 min Scan# 4144

Delta R.T. -0.00 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

Instrument :

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X2D96

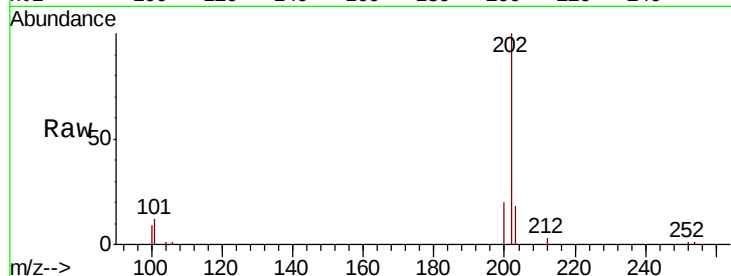
Tgt Ion:202 Resp: 15630

Ion Ratio Lower Upper

202 100

101 11.5 0.0 30.0

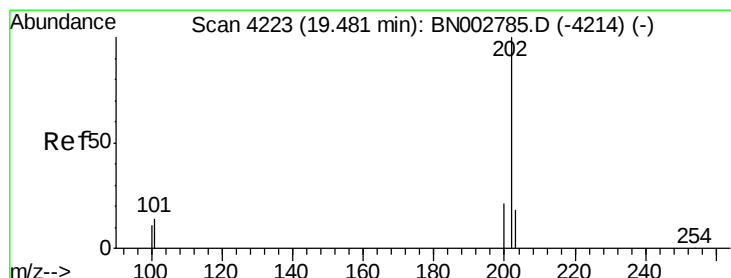
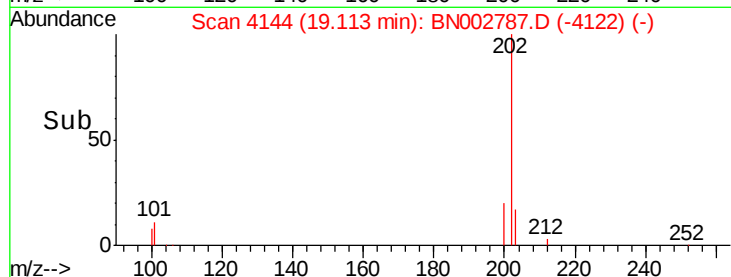
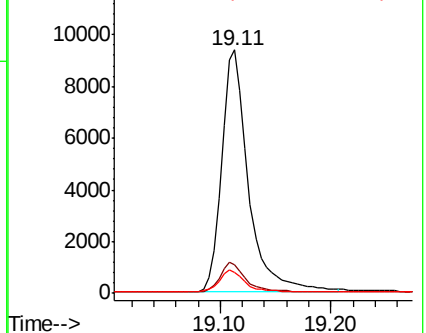
100 8.6 0.0 30.0



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: 0.761 ng/ul

RT: 19.48 min Scan# 4223

Delta R.T. -0.00 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

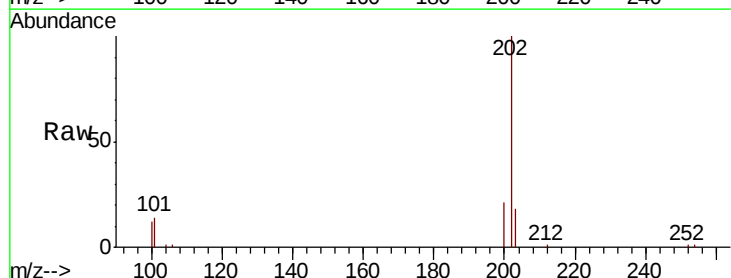
Tgt Ion:202 Resp: 12884

Ion Ratio Lower Upper

202 100

101 14.4 12.0 18.0

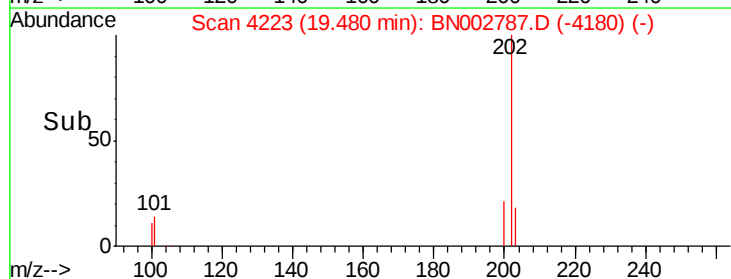
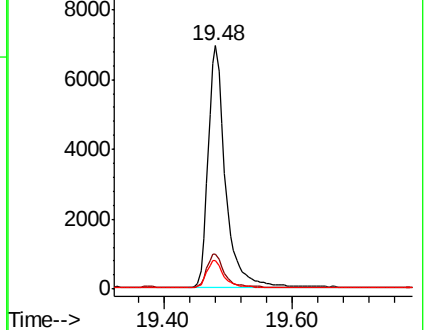
100 11.5 8.0 12.0

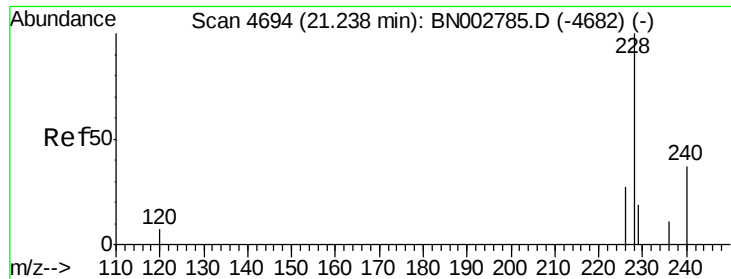


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.508 ng/ul

RT: 21.24 min Scan# 4696

Delta R.T. 0.01 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

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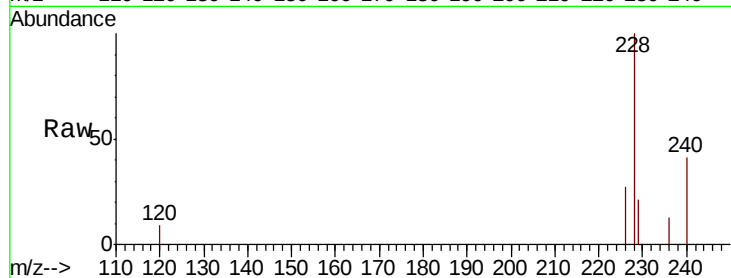
Tgt Ion:228 Resp: 7294

Ion Ratio Lower Upper

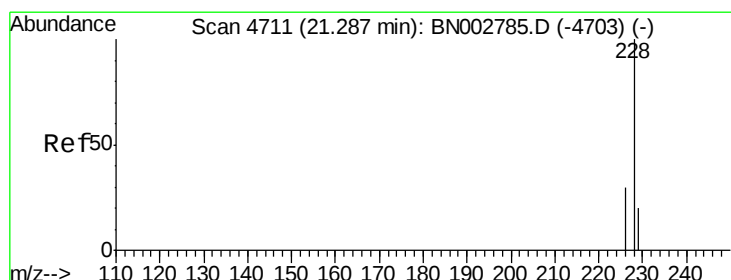
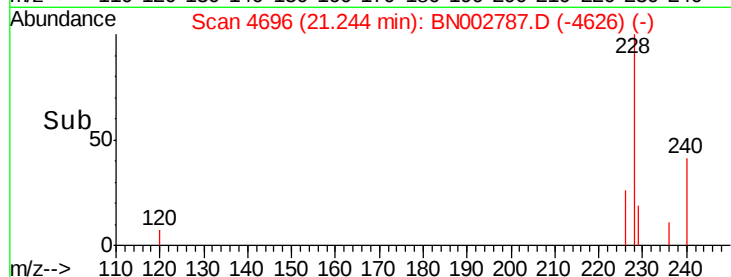
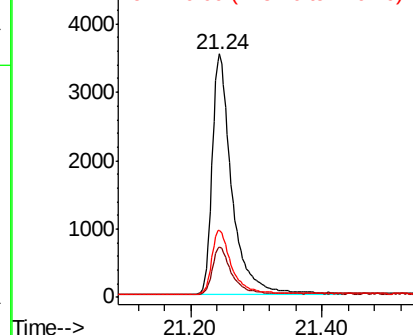
228 100

229 20.5 22.8 34.2#

226 27.5 17.0 25.6#



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: 0.432 ng/ul

RT: 21.24 min Scan# 4696

Delta R.T. -0.04 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

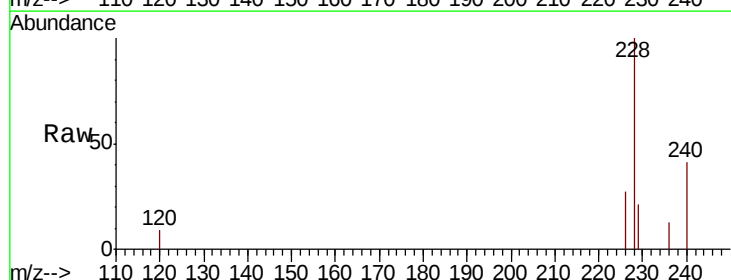
Tgt Ion:228 Resp: 7235

Ion Ratio Lower Upper

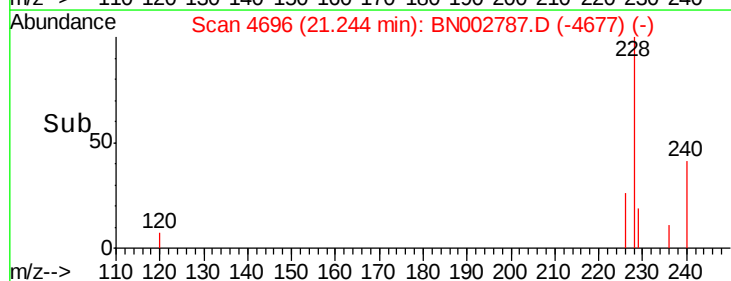
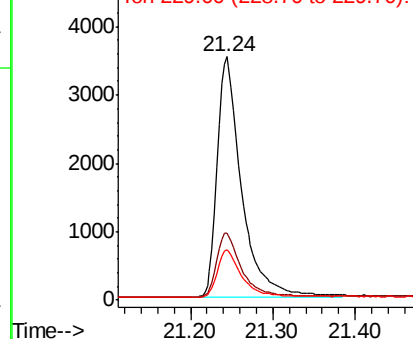
228 100

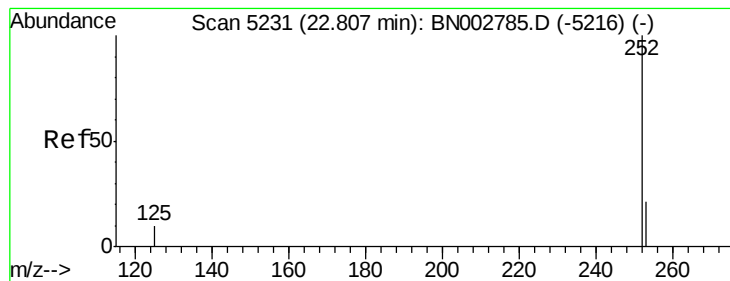
226 27.5 23.4 35.0

229 20.5 17.7 26.5



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: 0.685 ng/ul

RT: 22.80 min Scan# 5230

Delta R.T. -0.00 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

Instrument :

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ClientSampleId :

X2D96

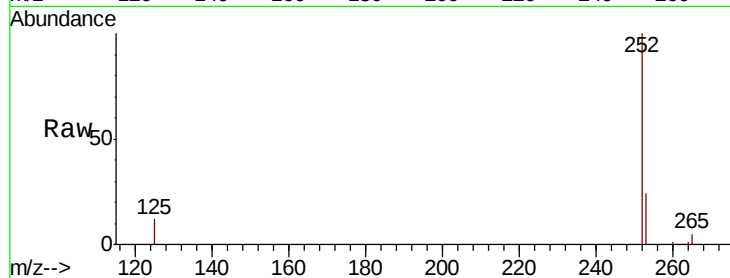
Tgt Ion:252 Resp: 11894

Ion Ratio Lower Upper

252 100

253 24.2 0.0 64.2

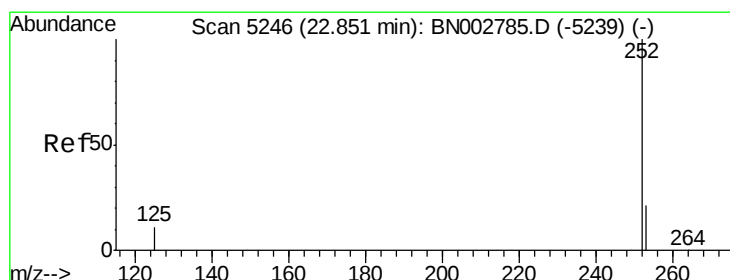
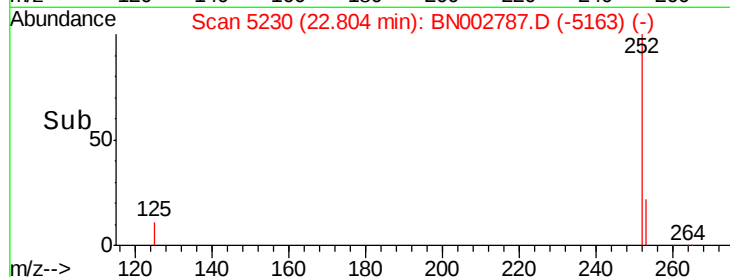
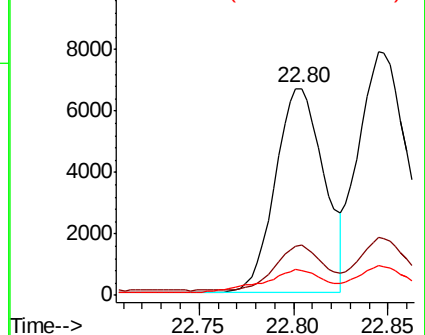
125 12.1 0.0 35.0



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: 0.835 ng/ul

RT: 22.85 min Scan# 5244

Delta R.T. -0.01 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

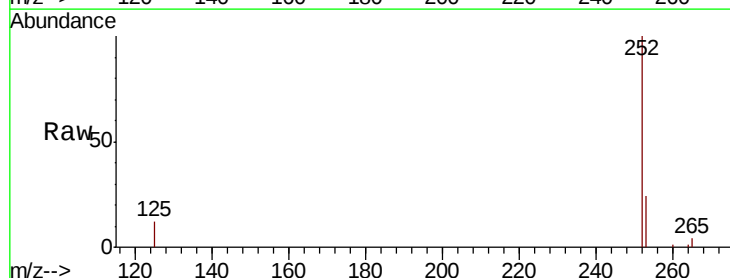
Tgt Ion:252 Resp: 15251

Ion Ratio Lower Upper

252 100

253 23.7 24.5 36.7#

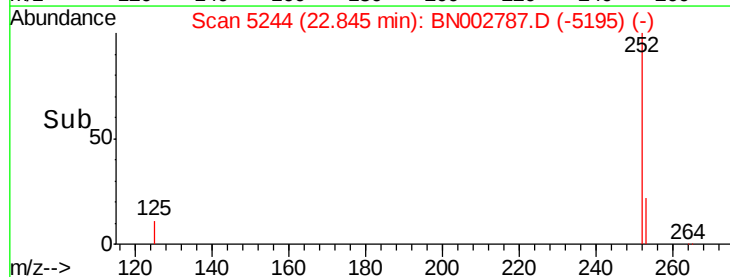
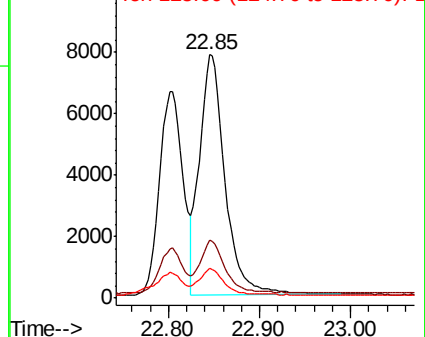
125 12.0 13.7 20.5#

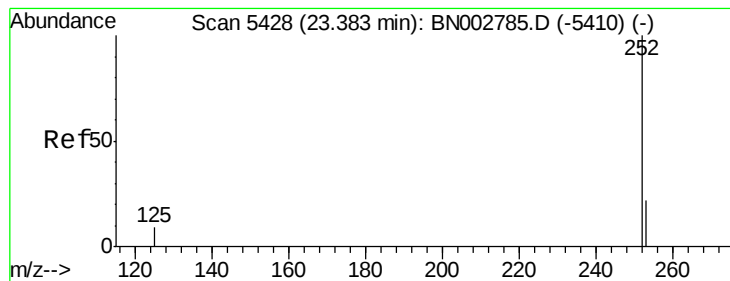


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.448 ng/ul

RT: 23.38 min Scan# 5427

Delta R.T. -0.00 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

Instrument :

BNA_N

ClientSampleId :

X2D96

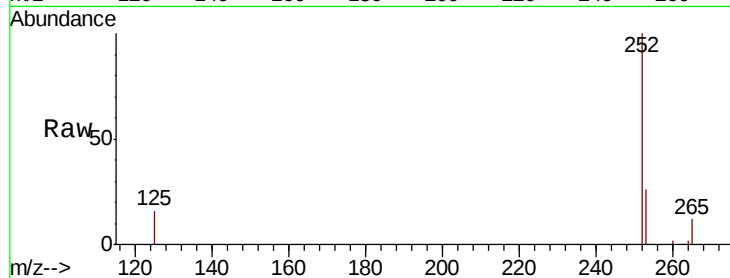
Tgt Ion: 252 Resp: 7457

Ion Ratio Lower Upper

252 100

253 26.4 16.0 24.0#

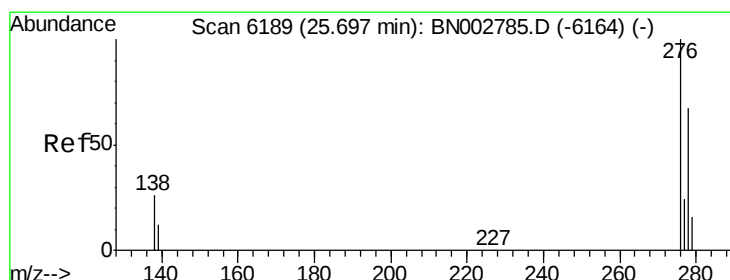
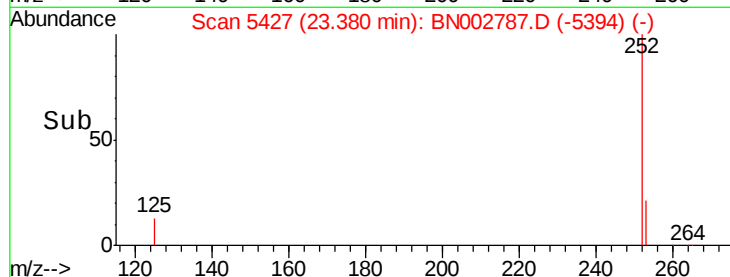
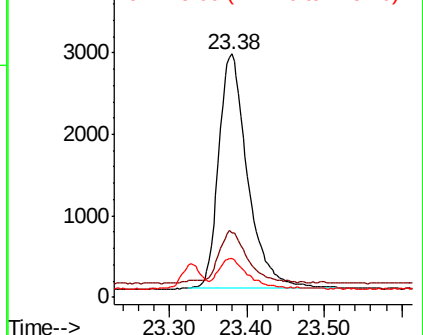
125 15.7 12.0 18.0



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.682 ng/ul

RT: 25.68 min Scan# 6183

Delta R.T. -0.02 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

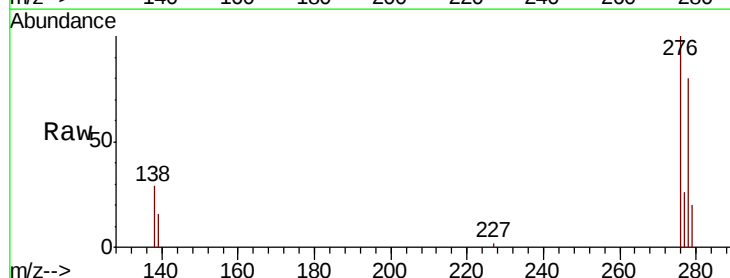
Tgt Ion: 276 Resp: 13677

Ion Ratio Lower Upper

276 100

138 29.1 28.0 42.0

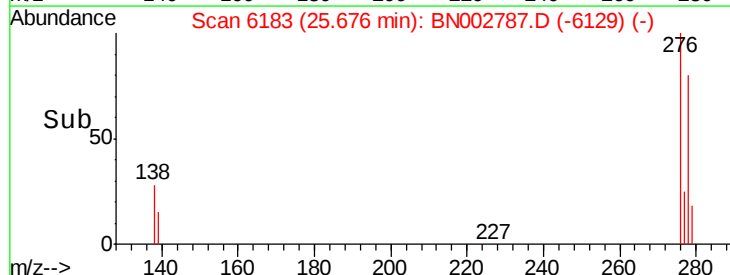
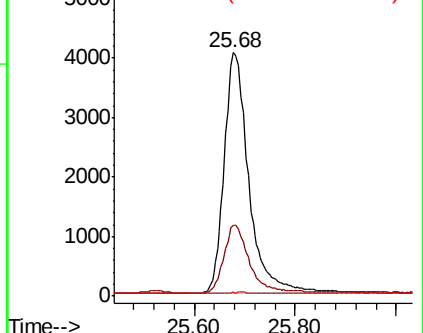
227 0.1 0.8 1.2#

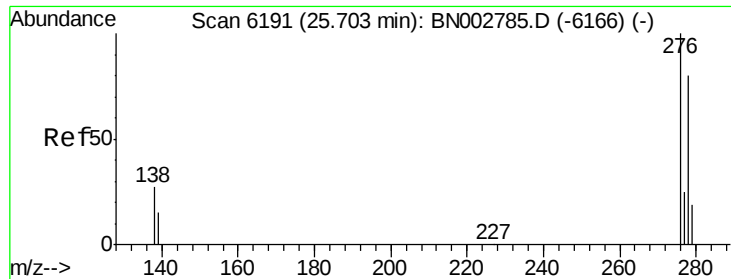


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 227.00 (226.70 to 227.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.847 ng/ul

RT: 25.69 min Scan# 6186

Delta R.T. -0.02 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

Instrument :

BNA_N

ClientSampleId :

X2D96

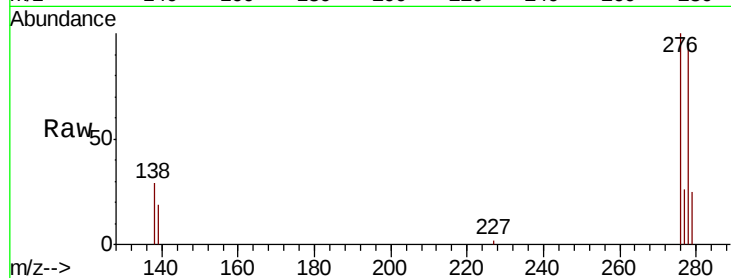
Tgt Ion:278 Resp: 13604

Ion Ratio Lower Upper

278 100

139 19.3 17.4 26.0

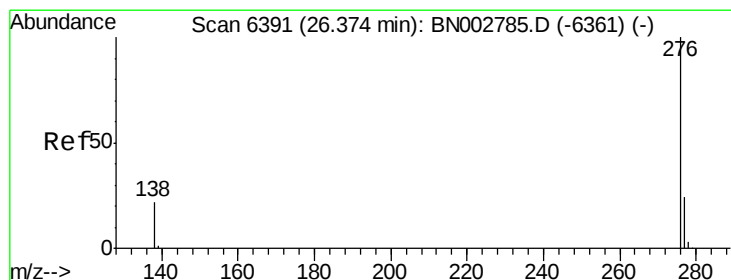
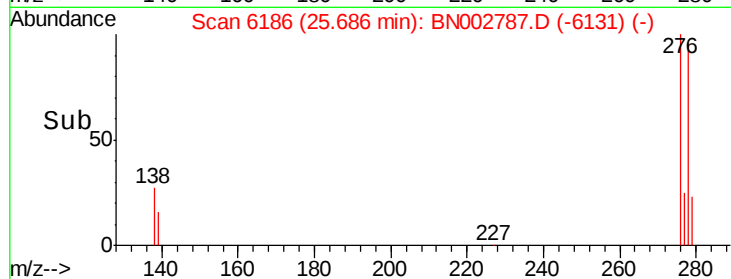
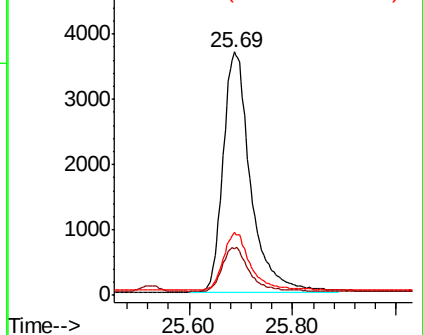
279 25.7 25.9 38.9#



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: 0.851 ng/ul

RT: 26.36 min Scan# 6386

Delta R.T. -0.02 min

Lab File: BN002787.D

Acq: 20 Sep 2018 12:38

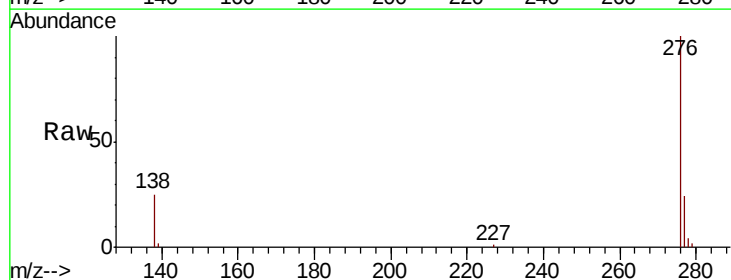
Tgt Ion:276 Resp: 14741

Ion Ratio Lower Upper

276 100

138 24.9 21.8 32.8

277 23.8 20.5 30.7



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

