

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN092118\
 Data File : BN002789.D
 Acq On : 20 Sep 2018 16:48
 Operator : JU/SJ
 Sample : J4874-14
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 A3Z83

Quant Time: Sep 21 03:04:50 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	1219	0.40	ng/ul	0.00
2) Naphthalene-d8	10.44	136	5663	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.30	164	3007	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.05	188	6031	0.40	ng/ul	0.00
16) Chrysene-d12	21.25	240	5654	0.40	ng/ul	0.00
20) Perylene-d12	23.48	264	5296	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.07	152	2535	0.31	ng/ul	0.03
14) Fluoranthene-d10	19.09	212	4966	0.32	ng/ul	0.00

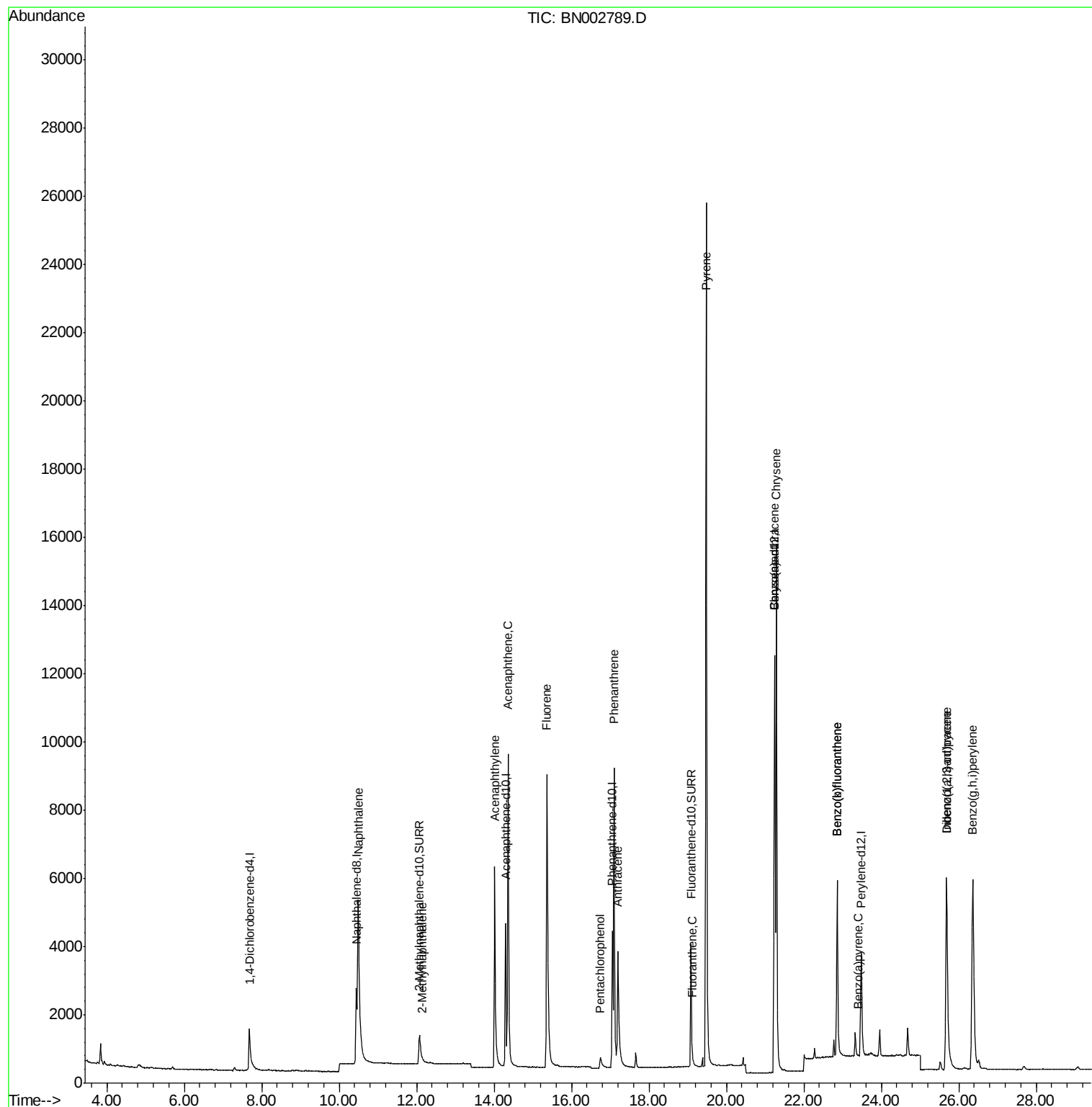
Target Compounds					Qvalue	
3) Naphthalene	10.49	128	12053	0.846	ng/ul#	96
5) 2-Methylnaphthalene	12.15	142	57	0.006	ng/ul	89
7) Acenaphthylene	14.01	152	9514	0.749	ng/ul	97
8) Acenaphthene	14.36	153	7456	0.720	ng/ul	97
9) Fluorene	15.37	166	9534	0.862	ng/ul#	93
11) Pentachlorophenol	16.74	266	675	0.993	ng/ul	98
12) Phenanthrene	17.09	178	11581	0.696	ng/ul#	89
13) Anthracene	17.20	178	6435	0.445	ng/ul#	92
15) Fluoranthene	19.12	202	13	0.001	ng/ul#	1
17) Pyrene	19.48	202	27462	1.489	ng/ul	98
18) Benzo(a)anthracene	21.24	228	10885	0.696	ng/ul#	85
19) Chrysene	21.29	228	17556	0.964	ng/ul	97
21) Benzo(b)fluoranthene	22.86	252	8197	0.468	ng/ul	88
22) Benzo(k)fluoranthene	22.86	252	8185	0.444	ng/ul#	90
23) Benzo(a)pyrene	23.39	252	5	0.000	ng/ul#	1
24) Indeno(1,2,3-cd)pyrene	25.69	276	12999	0.643	ng/ul#	78
25) Dibenzo(a,h)anthracene	25.69	278	455	0.028	ng/ul#	44
26) Benzo(g,h,i)perylene	26.36	276	14215	0.815	ng/ul	97

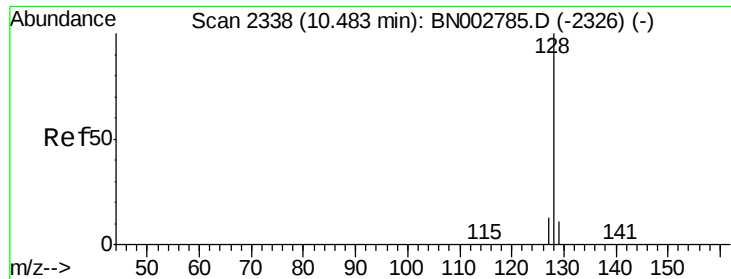
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.846 ng/ul

RT: 10.49 min Scan# 2339

Delta R.T. 0.01 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

Instrument :

BNA_N

ClientSampleId :

A3Z83

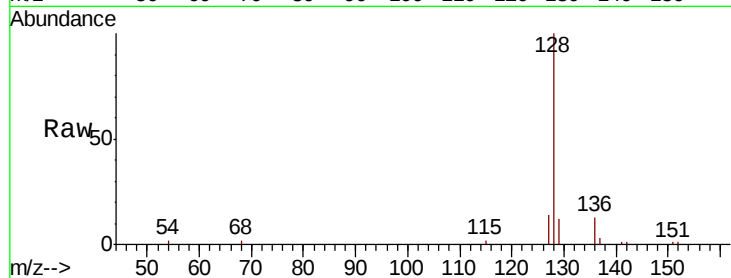
Tgt Ion:128 Resp: 12053

Ion Ratio Lower Upper

128 100

129 12.1 8.0 12.0#

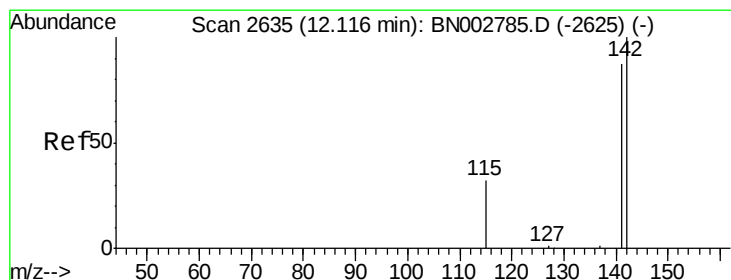
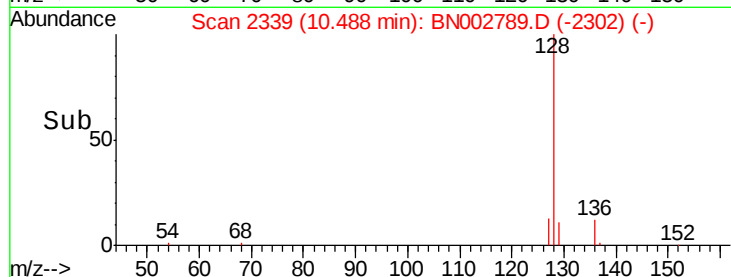
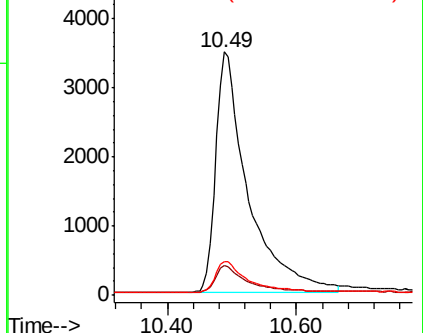
127 13.7 12.0 18.0



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: 0.006 ng/ul

RT: 12.15 min Scan# 2641

Delta R.T. 0.03 min

Lab File: BN002789.D

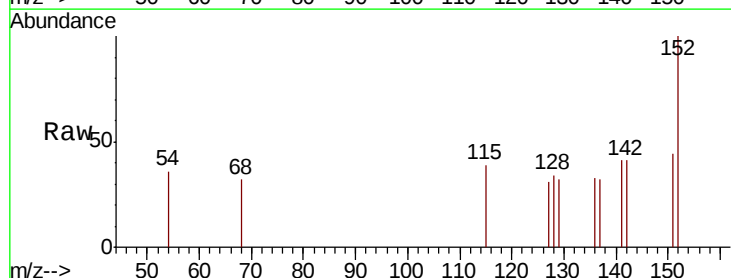
Acq: 20 Sep 2018 16:48

Tgt Ion:142 Resp: 57

Ion Ratio Lower Upper

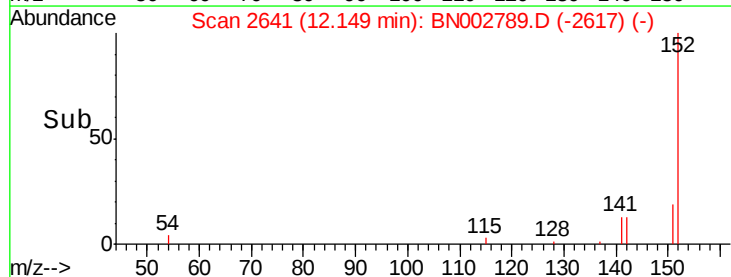
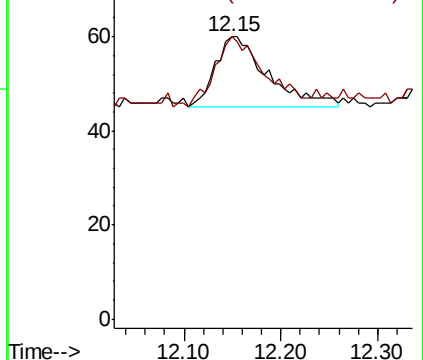
142 100

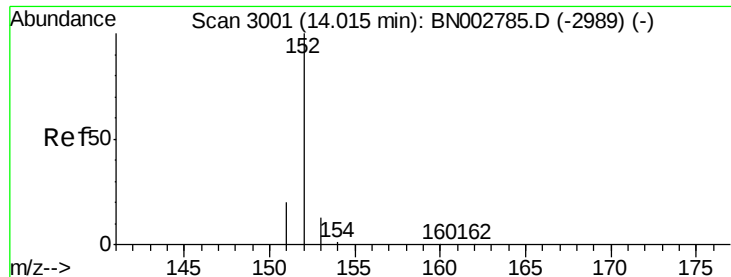
141 80.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.749 ng/ul

RT: 14.01 min Scan# 3001

Delta R.T. -0.00 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

Instrument :

BNA_N

ClientSampleId :

A3Z83

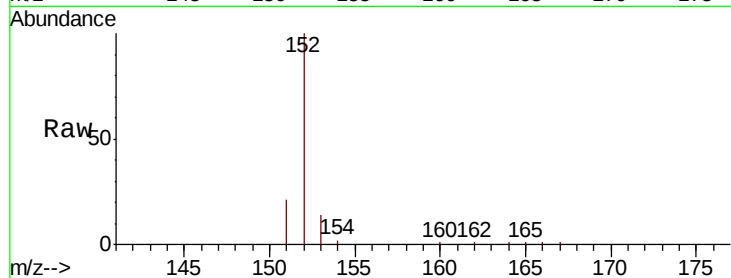
Tgt Ion:152 Resp: 9514

Ion Ratio Lower Upper

152 100

151 20.6 17.1 25.7

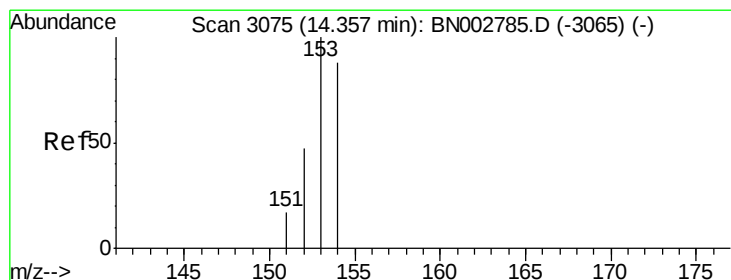
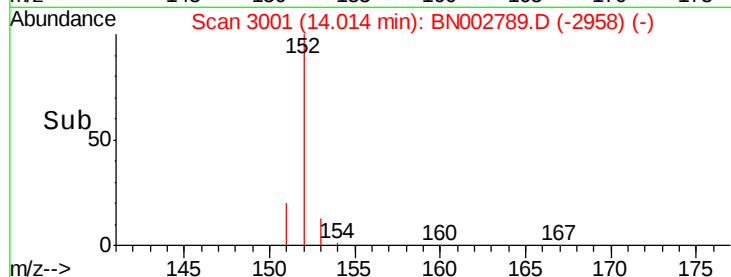
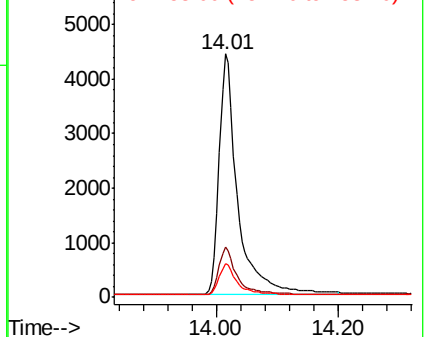
153 13.8 12.8 19.2



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: 0.720 ng/ul

RT: 14.36 min Scan# 3076

Delta R.T. 0.00 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

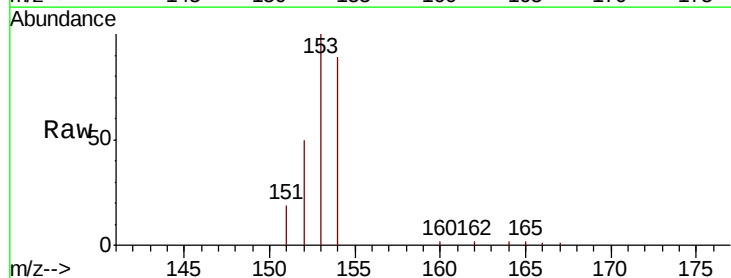
Tgt Ion:153 Resp: 7456

Ion Ratio Lower Upper

153 100

152 49.6 36.0 54.0

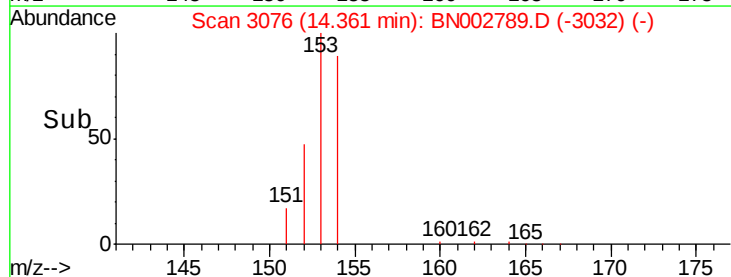
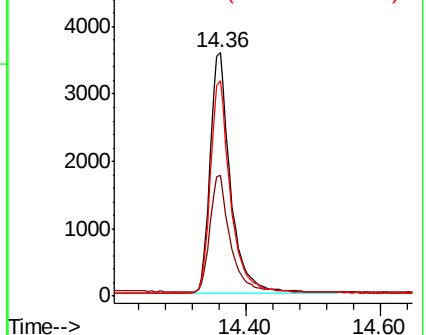
154 88.7 72.0 108.0

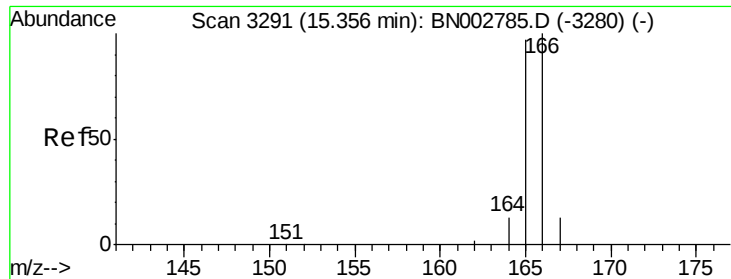


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

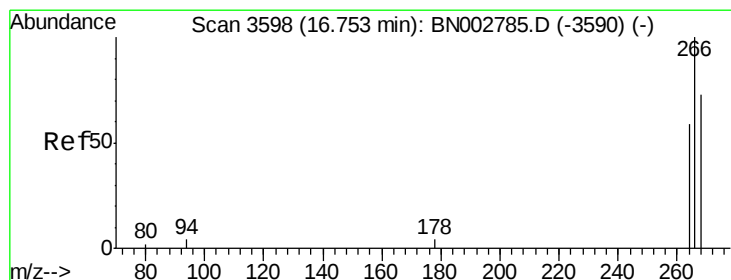
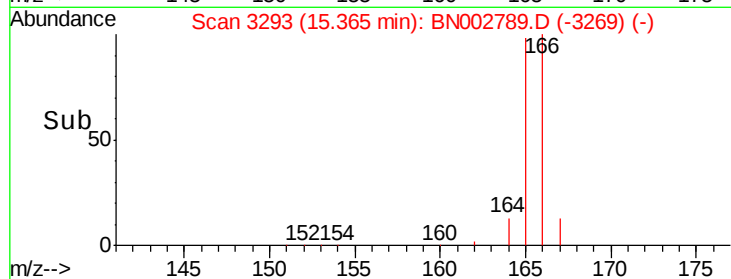
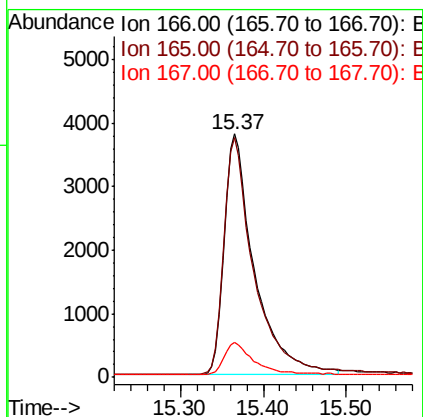
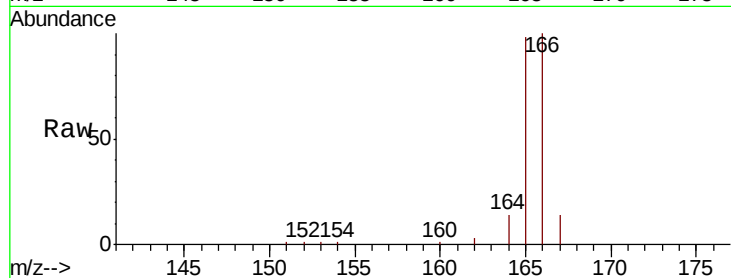




#9
Fluorene
 Concen: 0.862 ng/ul
 RT: 15.37 min Scan# 3293
 Delta R.T. 0.01 min
 Lab File: BN002789.D
 Acq: 20 Sep 2018 16:48

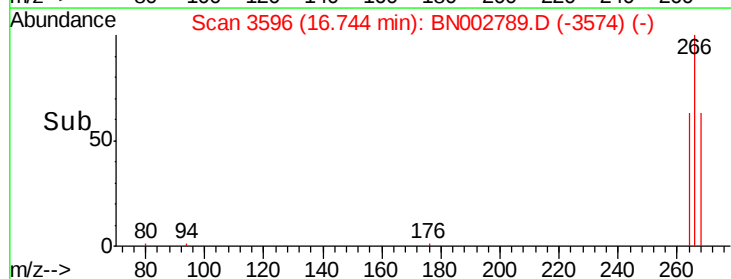
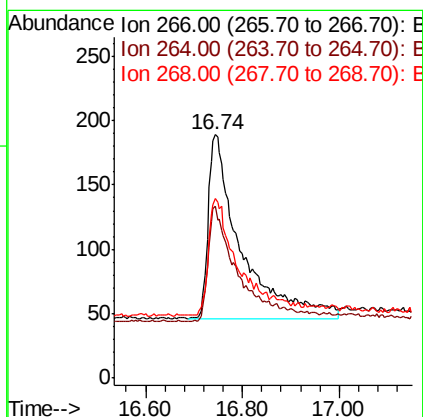
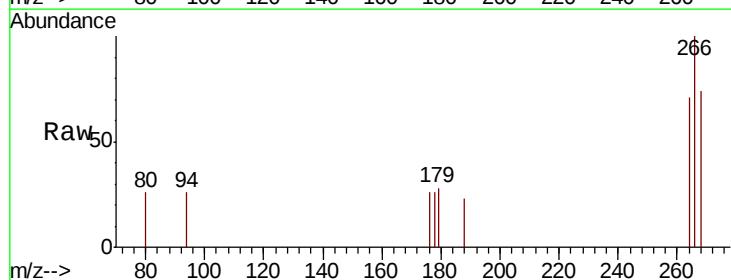
Instrument :
 BNA_N
 ClientSampleId :
 A3Z83

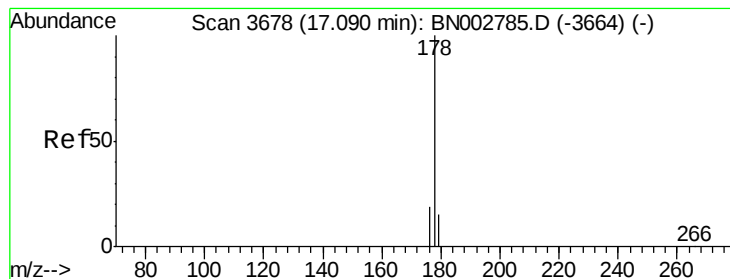
Tgt Ion:166 Resp: 9534
 Ion Ratio Lower Upper
 166 100
 165 98.2 73.4 110.2
 167 14.4 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.993 ng/ul
 RT: 16.74 min Scan# 3596
 Delta R.T. -0.01 min
 Lab File: BN002789.D
 Acq: 20 Sep 2018 16:48

Tgt Ion:266 Resp: 675
 Ion Ratio Lower Upper
 266 100
 264 59.4 47.9 71.9
 268 59.6 49.8 74.8





#12

Phenanthrene

Concen: 0.696 ng/ul

RT: 17.09 min Scan# 3679

Delta R.T. 0.00 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

Instrument :

BNA_N

ClientSampleId :

A3Z83

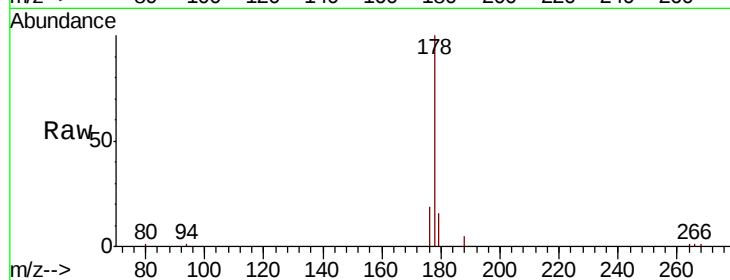
Tgt Ion:178 Resp: 11581

Ion Ratio Lower Upper

178 100

179 15.9 18.4 27.6#

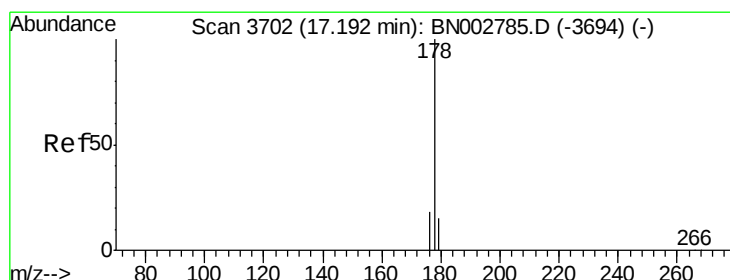
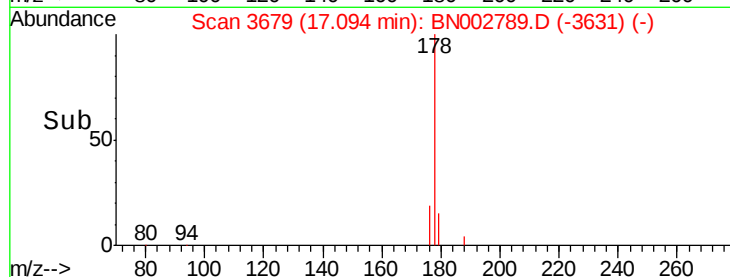
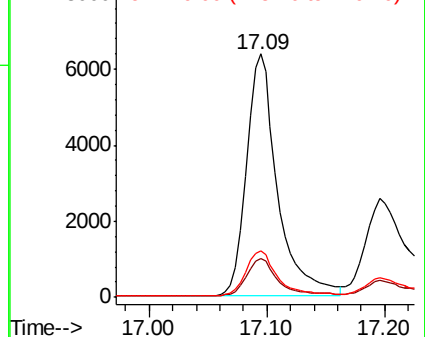
176 19.2 13.6 20.4



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: 0.445 ng/ul

RT: 17.20 min Scan# 3703

Delta R.T. 0.00 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

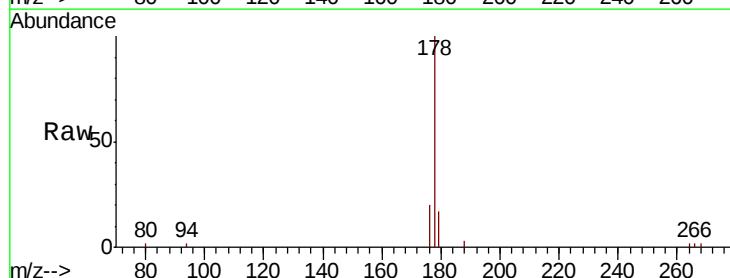
Tgt Ion:178 Resp: 6435

Ion Ratio Lower Upper

178 100

179 16.8 18.1 27.1#

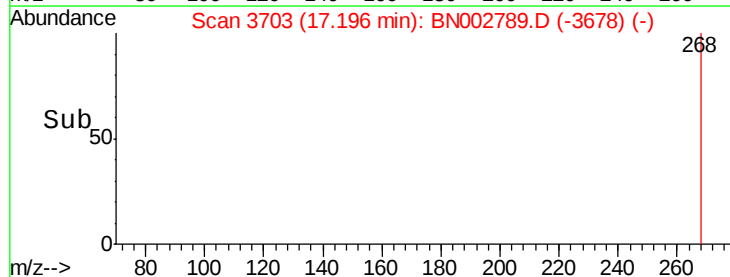
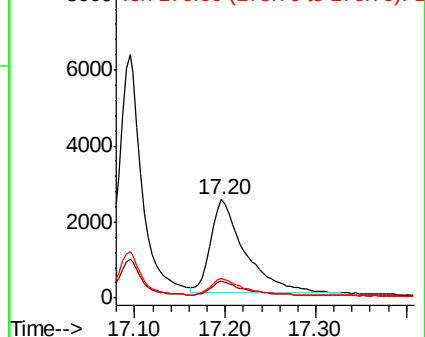
176 19.8 14.7 22.1

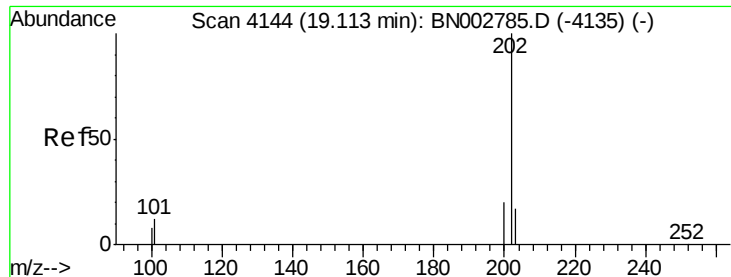


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Fluoranthene

Concen: 0.001 ng/ul

RT: 19.12 min Scan# 4145

Delta R.T. 0.00 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

Instrument :

BNA_N

ClientSampleId :

A3Z83

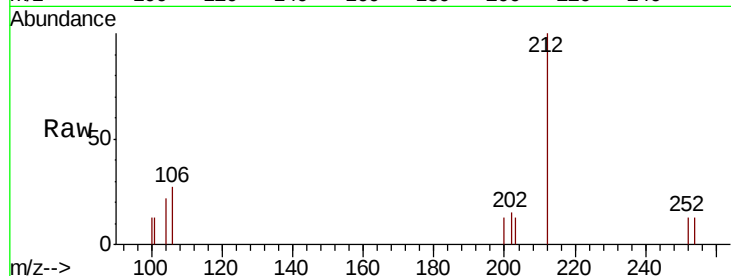
Tgt Ion:202 Resp: 13

Ion Ratio Lower Upper

202 100

101 85.7 0.0 30.0#

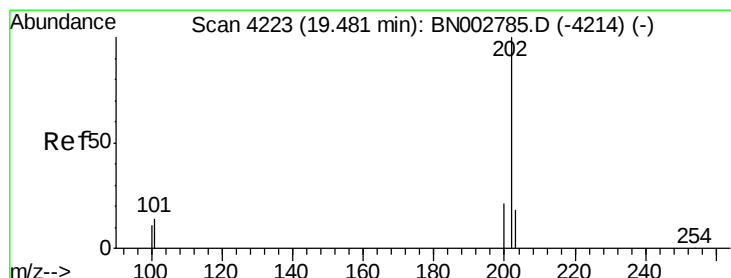
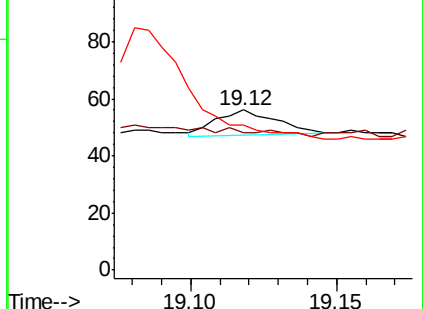
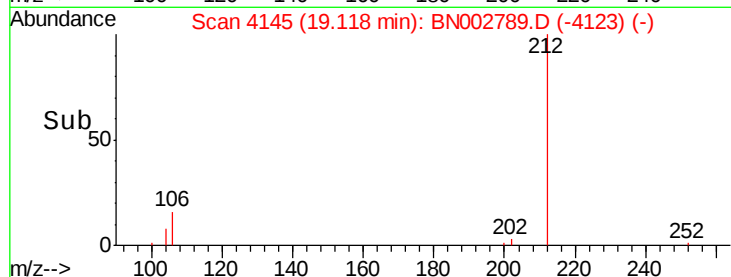
100 91.1 0.0 30.0#



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: 1.489 ng/ul

RT: 19.48 min Scan# 4222

Delta R.T. -0.00 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

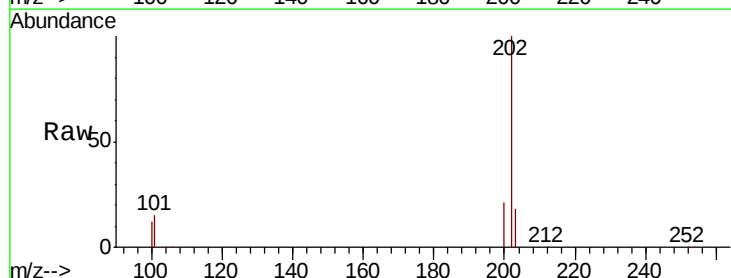
Tgt Ion:202 Resp: 27462

Ion Ratio Lower Upper

202 100

101 14.7 12.0 18.0

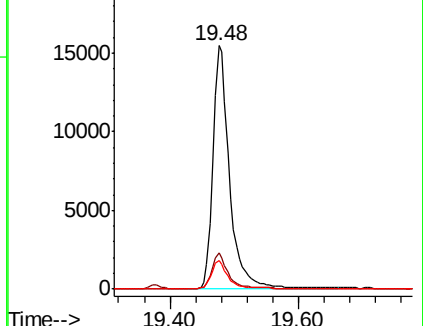
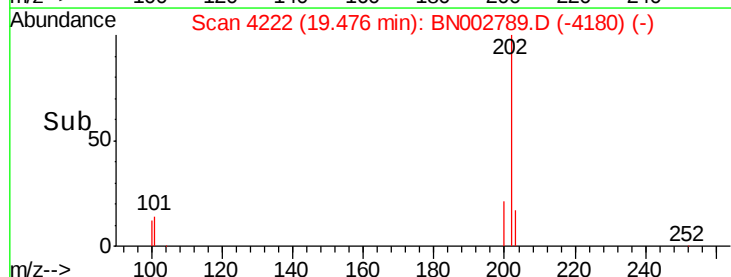
100 11.8 8.0 12.0

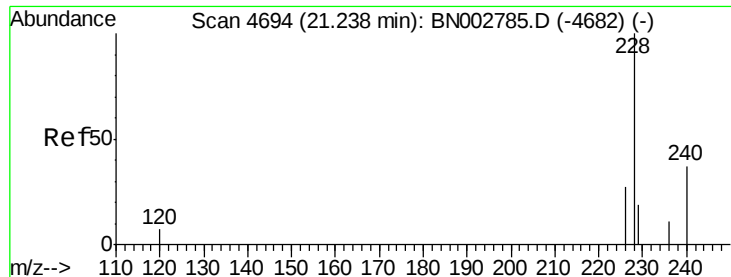


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#18

Benzo(a)anthracene

Concen: 0.696 ng/ul

RT: 21.24 min Scan# 4694

Delta R.T. -0.00 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

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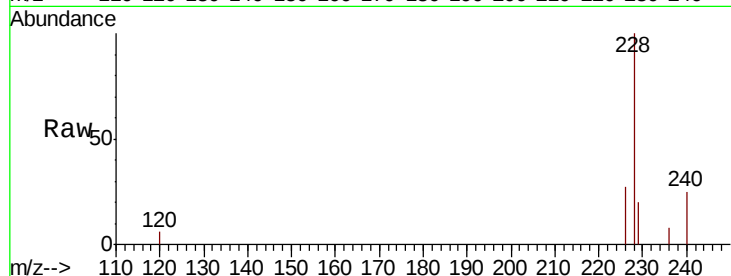
Tgt Ion:228 Resp: 10885

Ion Ratio Lower Upper

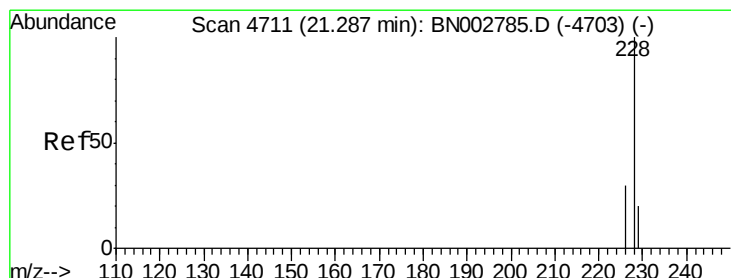
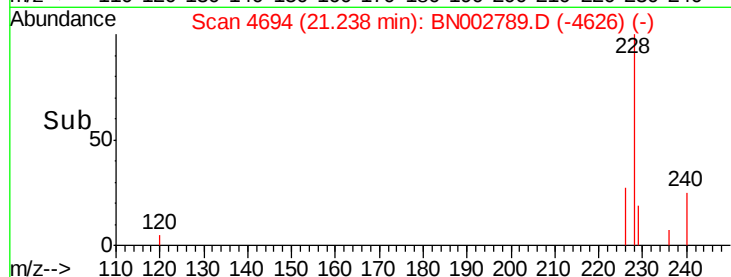
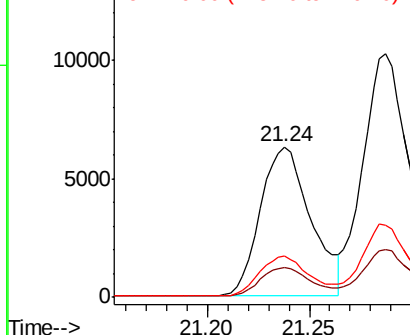
228 100

229 19.7 22.8 34.2#

226 27.3 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: 0.964 ng/ul

RT: 21.29 min Scan# 4711

Delta R.T. -0.00 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

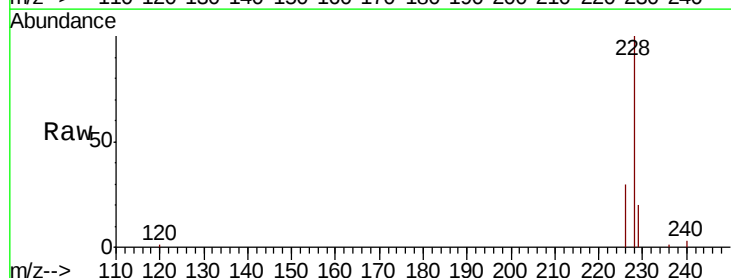
Tgt Ion:228 Resp: 17556

Ion Ratio Lower Upper

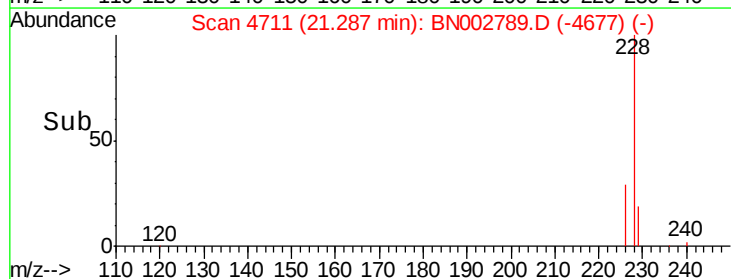
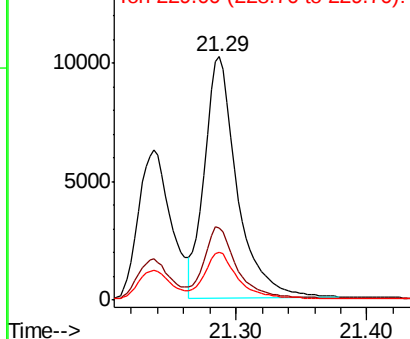
228 100

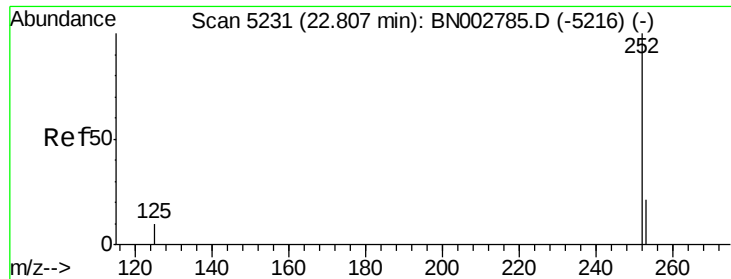
226 29.8 23.4 35.0

229 19.7 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: 0.468 ng/ul

RT: 22.86 min Scan# 5249

Delta R.T. 0.05 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

Instrument :

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A3Z83

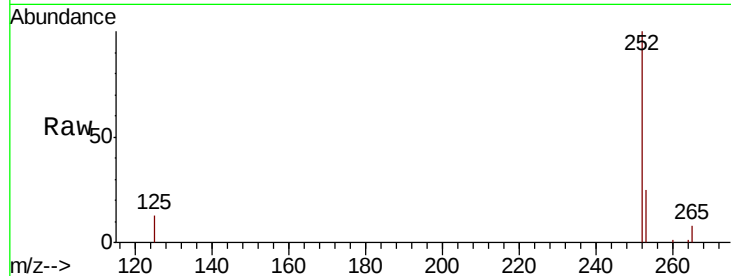
Tgt Ion:252 Resp: 8197

Ion Ratio Lower Upper

252 100

253 25.0 0.0 64.2

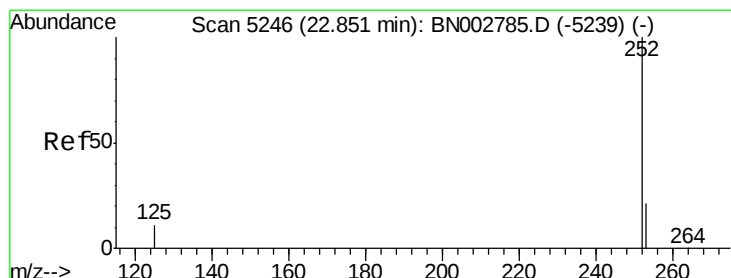
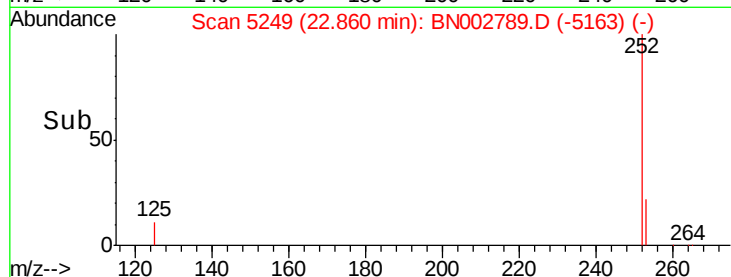
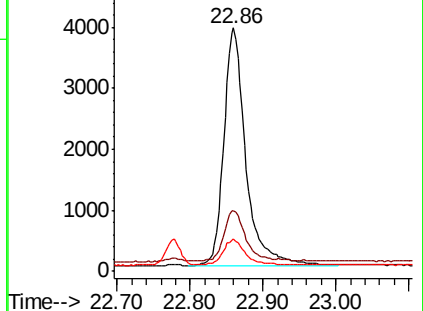
125 13.4 0.0 35.0



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: 0.444 ng/ul

RT: 22.86 min Scan# 5249

Delta R.T. 0.01 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

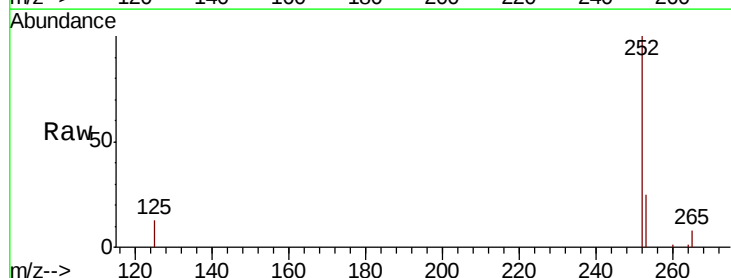
Tgt Ion:252 Resp: 8185

Ion Ratio Lower Upper

252 100

253 25.0 24.5 36.7

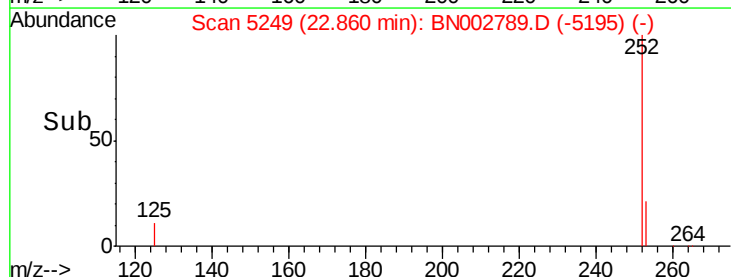
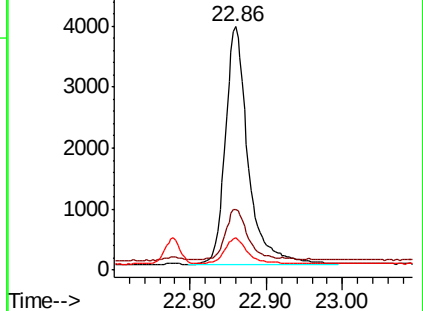
125 13.4 13.7 20.5#

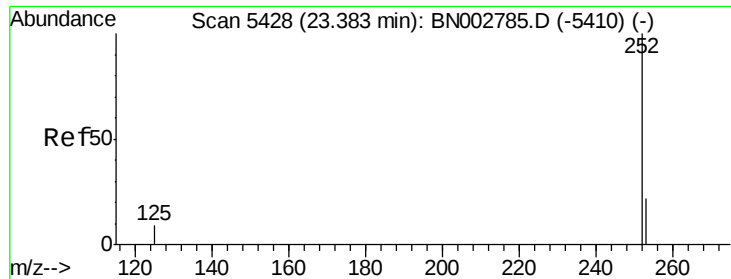


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.000 ng/u1

RT: 23.39 min Scan# 5432

Delta R.T. 0.01 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

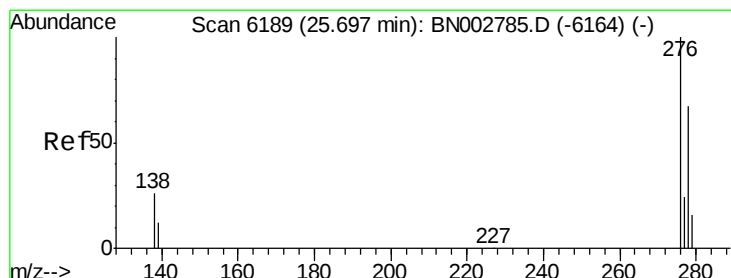
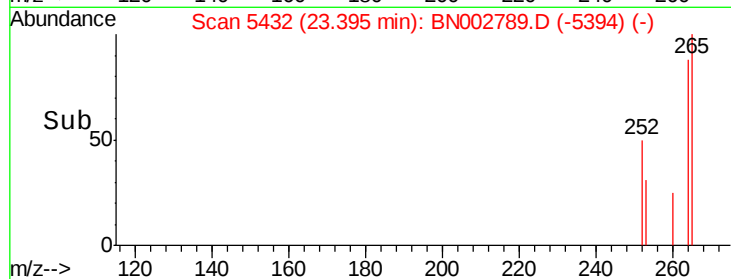
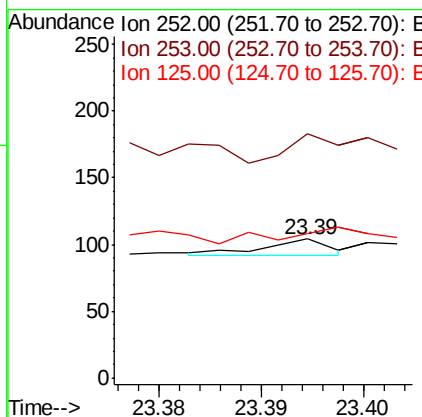
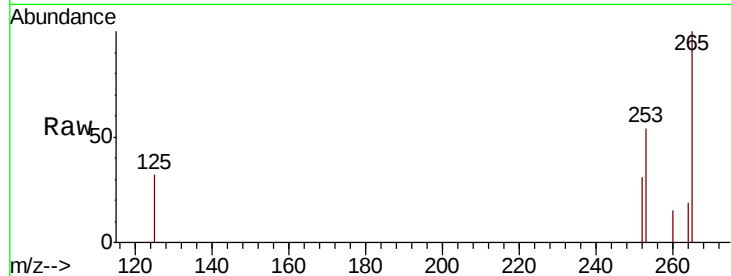
Instrument :

BNA_N

ClientSampleId :

A3Z83

Tgt Ion:	252	Resp:	5
Ion	Ratio	Lower	Upper
252	100		
253	176.0	16.0	24.0#
125	103.8	12.0	18.0#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.643 ng/u1

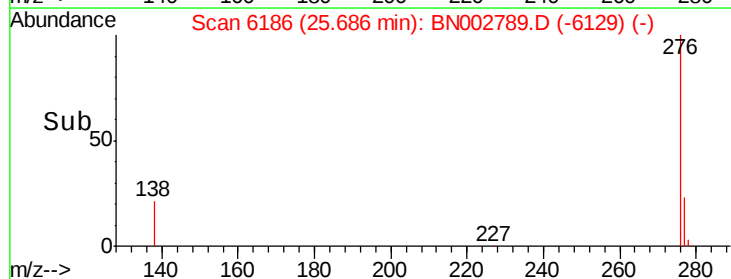
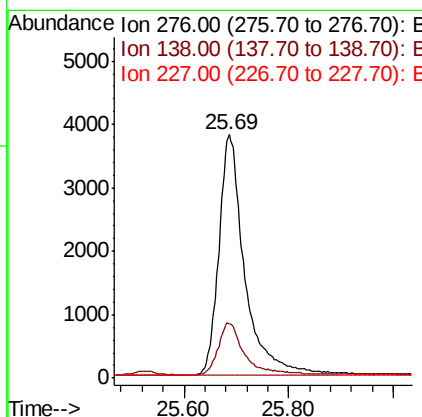
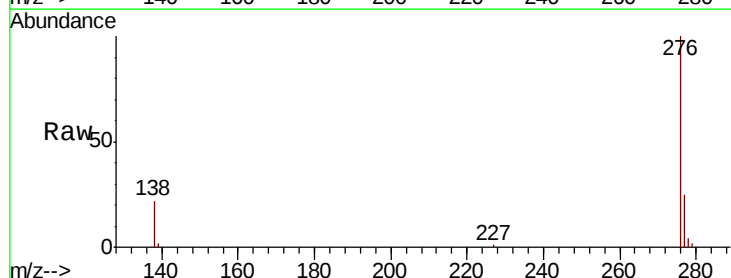
RT: 25.69 min Scan# 6186

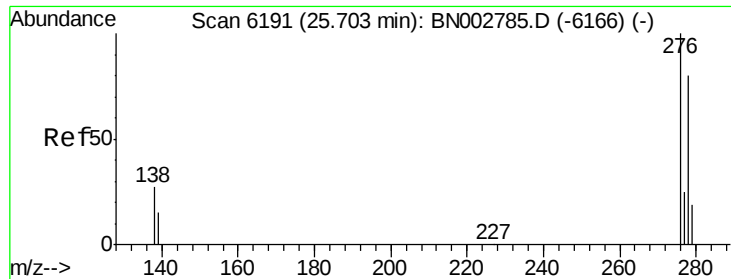
Delta R.T. -0.01 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

Tgt Ion:	276	Resp:	12999
Ion	Ratio	Lower	Upper
276	100		
138	21.9	28.0	42.0#
227	0.2	0.8	1.2#





#25

Dibenzo(a,h)anthracene

Concen: 0.028 ng/ul

RT: 25.69 min Scan# 6187

Delta R.T. -0.01 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

Instrument :

BNA_N

ClientSampleId :

A3Z83

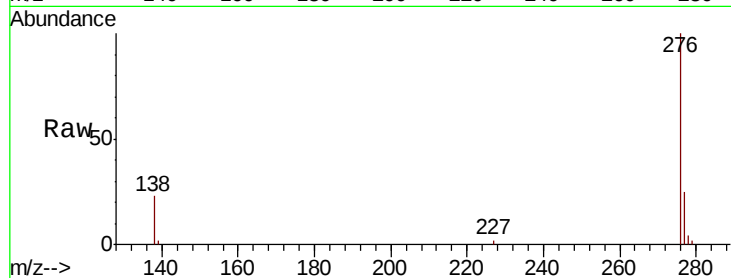
Tgt Ion:278 Resp: 455

Ion Ratio Lower Upper

278 100

139 58.4 17.4 26.0#

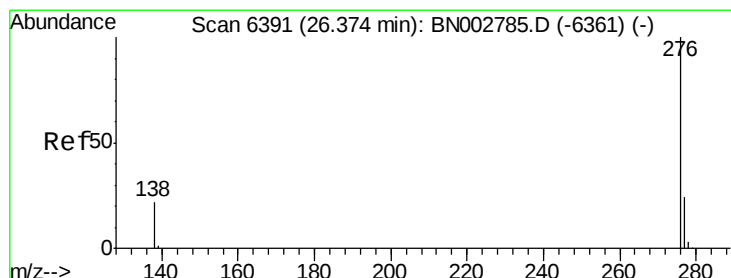
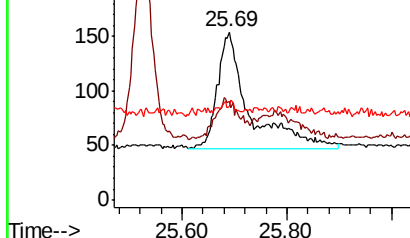
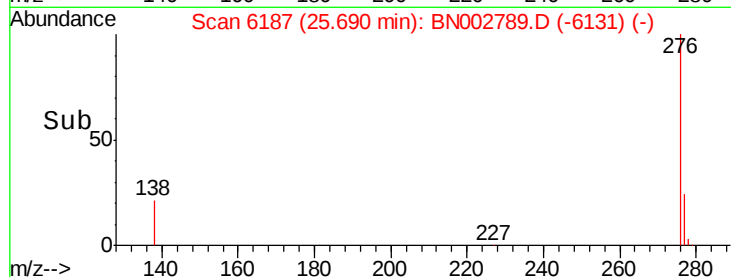
279 55.8 25.9 38.9#



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: 0.815 ng/ul

RT: 26.36 min Scan# 6388

Delta R.T. -0.01 min

Lab File: BN002789.D

Acq: 20 Sep 2018 16:48

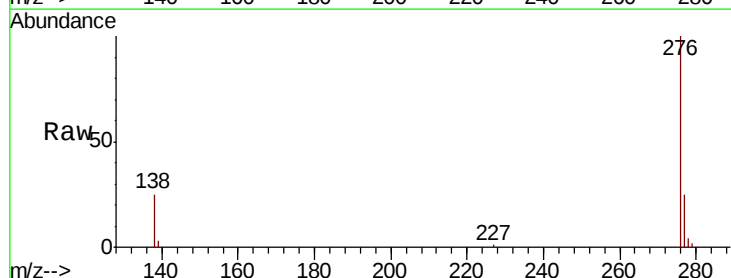
Tgt Ion:276 Resp: 14215

Ion Ratio Lower Upper

276 100

138 25.2 21.8 32.8

277 24.7 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

