

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042518\
 Data File : BN000917.D
 Acq On : 26 Apr 2018 06:14
 Operator : JU/SJ
 Sample : J2444-19MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 26 08:38:51 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 26 08:36:26 2018
 Response via : Initial Calibration

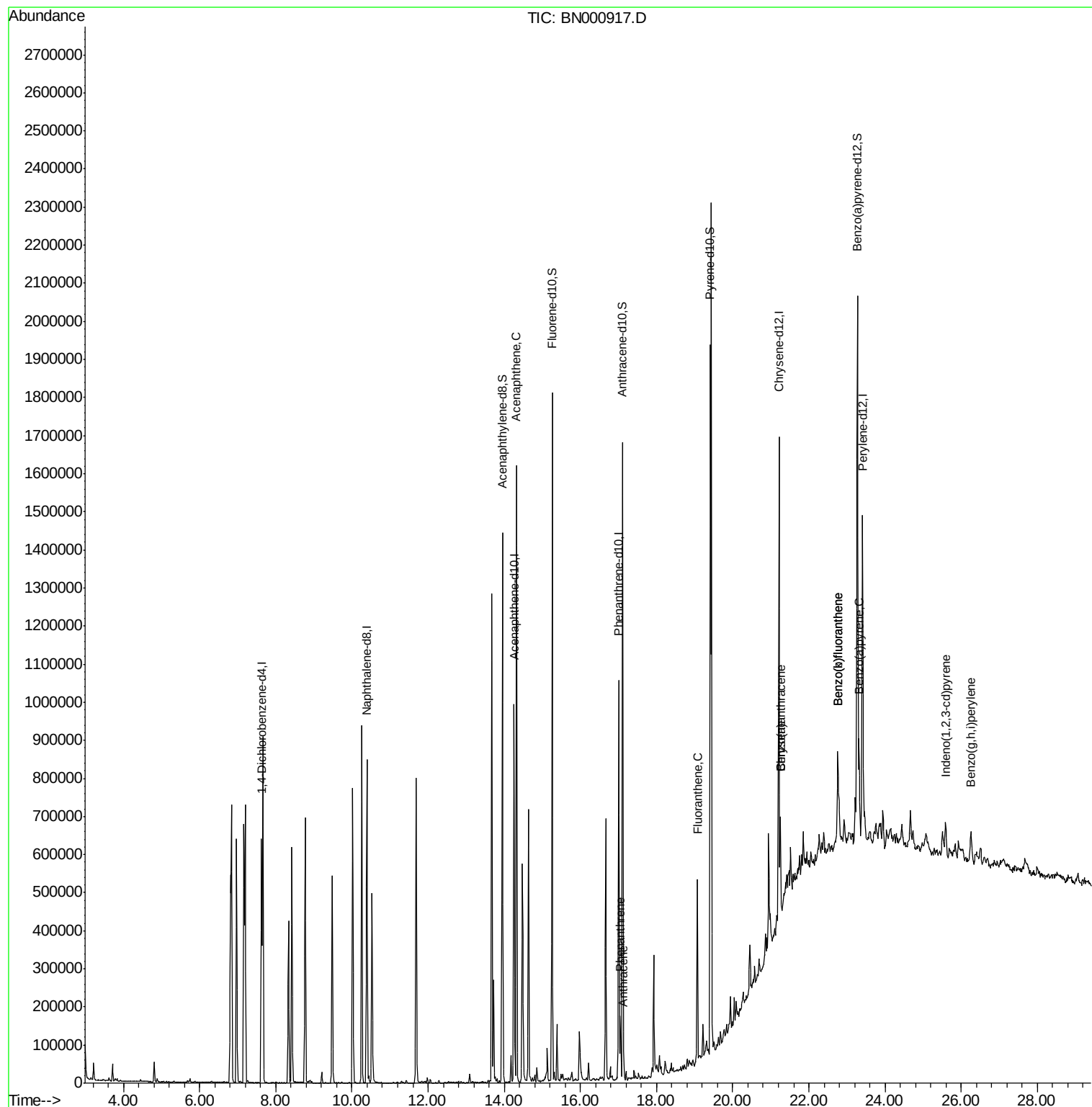
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	160419	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	656034	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	304348	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.01	188	561065	20.00	ng/ul	0.01
17) Chrysene-d12	21.22	240	506730	20.00	ng/ul	0.00
22) Perylene-d12	23.41	264	550810	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	932279	31.90	ng/ul	0.01
10) Fluorene-d10	15.26	176	619722	31.76	ng/ul	0.00
14) Anthracene-d10	17.10	188	849737	33.12	ng/ul	0.00
18) Pyrene-d10	19.41	212	871106	33.55	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.27	264	950697	36.54	ng/ul	0.02
Target Compounds				Ovalue		
9) Acenaphthene	14.32	153	609303	30.483	ng/ul	96
13) Phenanthrene	17.05	178	94991	3.104	ng/ul	99
15) Anthracene	17.14	178	40052	1.305	ng/ul	98
16) Fluoranthene	19.07	202	258808	8.336	ng/ul	96
20) Benzo(a)anthracene	21.25	228	129892	4.288	ng/ul	93
21) Chrysene	21.25	228	136625	4.799	ng/ul	97
23) Benzo(b)fluoranthene	22.76	252	219947	7.026	ng/ul#	92
24) Benzo(k)fluoranthene	22.76	252	219322	7.160	ng/ul#	92
26) Benzo(a)pyrene	23.32	252	109387	3.657	ng/ul#	91
27) Indeno(1,2,3-cd)pyrene	25.59	276	72214	1.999	ng/ul#	86
29) Benzo(g,h,i)perylene	26.26	276	66485	2.200	ng/ul#	86

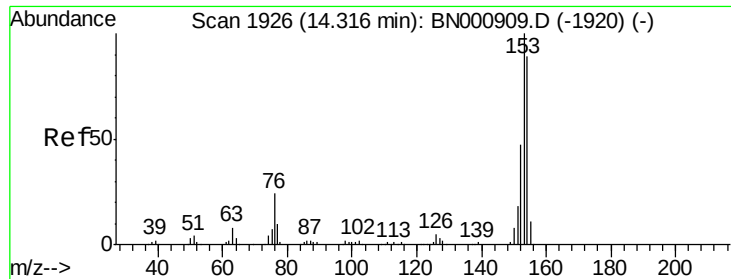
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#9

Acenaphthene

Concen: 30.483 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. 0.01 min

Lab File: BN000917.D

Acq: 26 Apr 2018 06:14

Instrument :

BNA_N

ClientSampled :

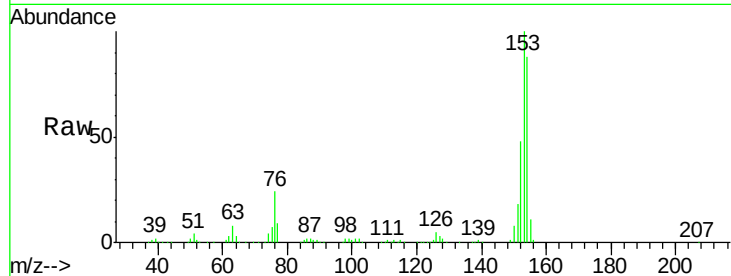
Tot Ion:153 Resp: 609303

Ion Ratio Lower Upper

153 100

152 47.8 39.0 58.6

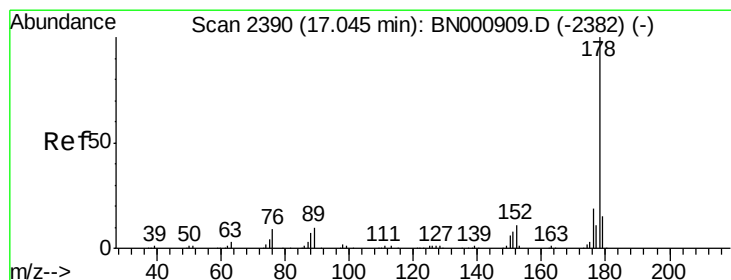
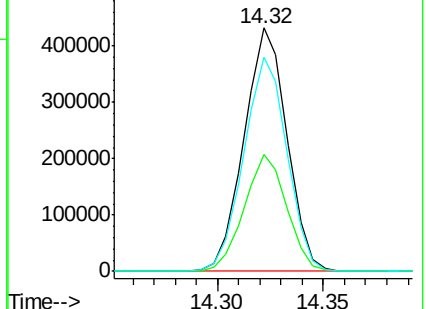
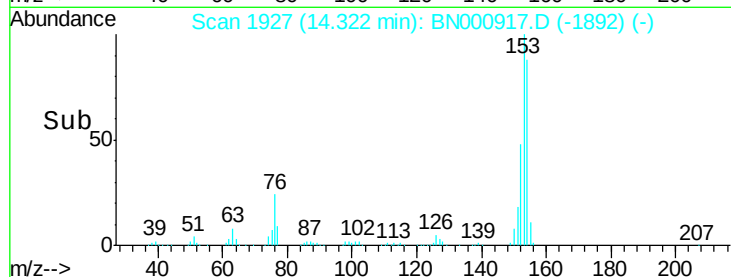
154 88.2 66.8 100.2



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



#13

Phenanthrene

Concen: 3.104 ng/ul

RT: 17.05 min Scan# 2391

Delta R.T. 0.01 min

Lab File: BN000917.D

Acq: 26 Apr 2018 06:14

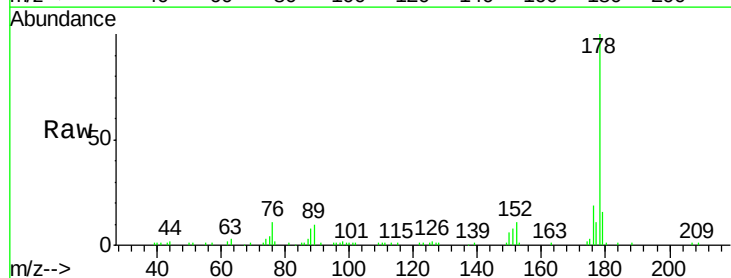
Tgt Ion:178 Resp: 94991

Ion Ratio Lower Upper

178 100

179 15.6 12.3 18.5

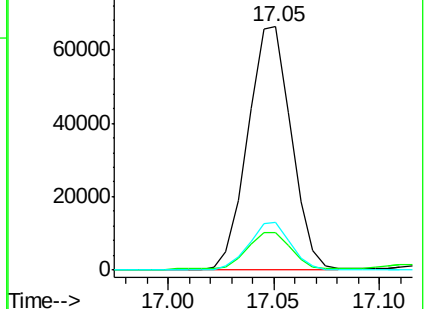
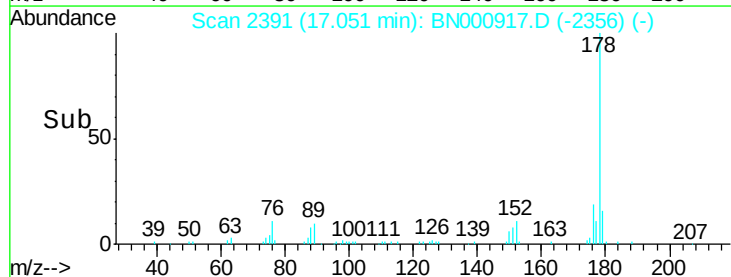
176 19.5 15.1 22.7

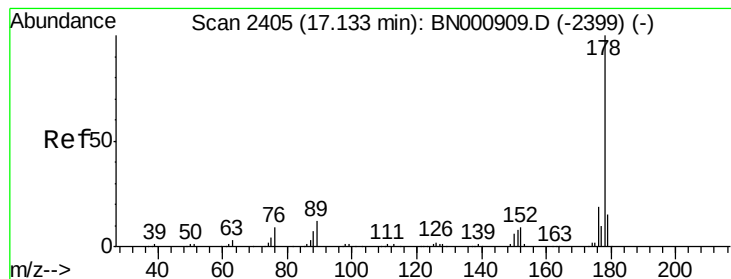


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 1.305 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BN000917.D

Acq: 26 Apr 2018 06:14

Instrument :

BNA_N

ClientSampled :

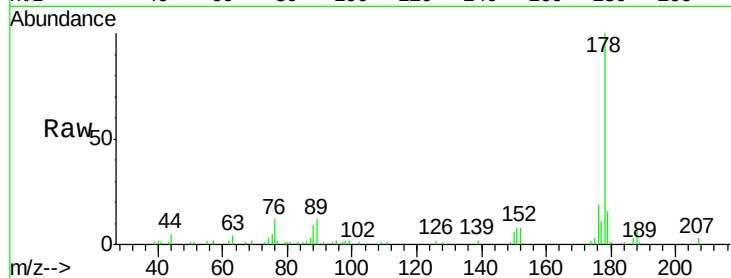
Tot Ion:178 Resp: 40052

Ion Ratio Lower Upper

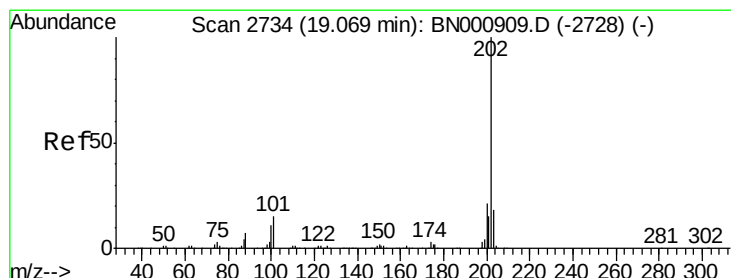
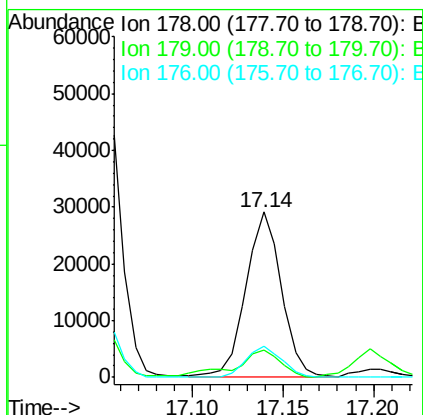
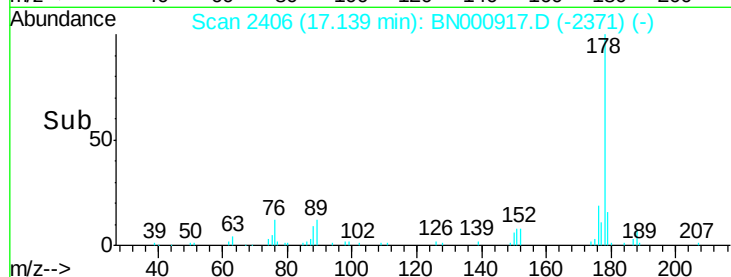
178 100

179 16.3 11.8 17.8

176 18.7 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



#16

Fluoranthene

Concen: 8.336 ng/ul

RT: 19.07 min Scan# 2735

Delta R.T. 0.01 min

Lab File: BN000917.D

Acq: 26 Apr 2018 06:14

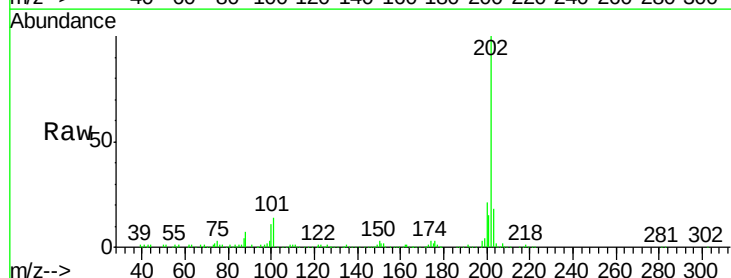
Tgt Ion:202 Resp: 258808

Ion Ratio Lower Upper

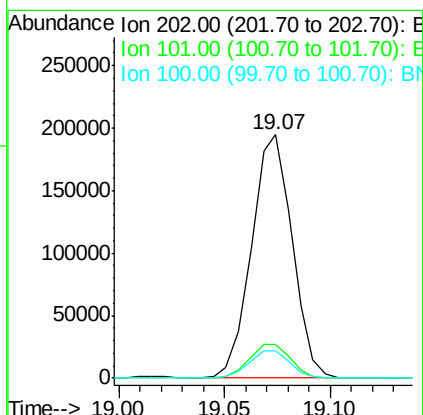
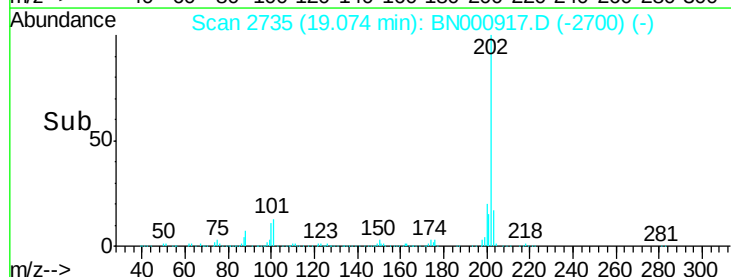
202 100

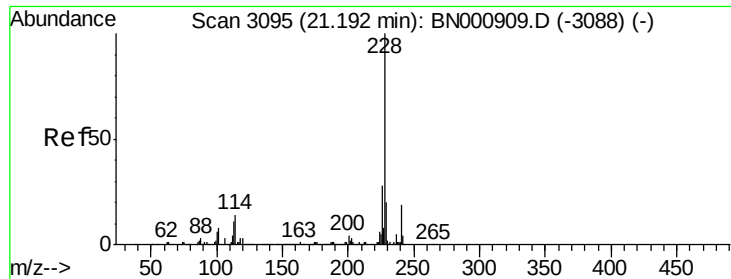
101 13.7 9.9 14.9

100 11.0 7.4 11.0



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





#20

Benzo(a)anthracene

Concen: 4.288 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.06 min

Lab File: BN000917.D

Acq: 26 Apr 2018 06:14

Instrument :

BNA_N

ClientSampleId :

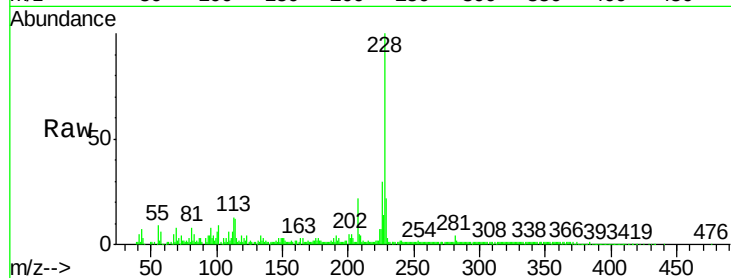
Tot Ion:228 Resp: 129892

Ion Ratio Lower Upper

228 100

229 22.4 15.7 23.5

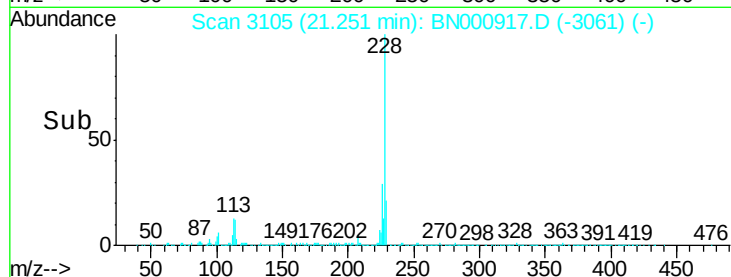
226 30.2 21.1 31.7



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



Time-->

21.20 21.25

150000

100000

50000

0

21.20 21.25

150000

100000

50000

0

21.20 21.25

150000

100000

50000

0

21.20 21.25

150000

100000

50000

0

21.20 21.25

150000

100000

50000

0

21.20 21.25

150000

100000

50000

0

21.20 21.25

150000

100000

50000

0

21.20 21.25

150000

100000

50000

0

21.20 21.25

150000

100000

50000

0

21.20 21.25

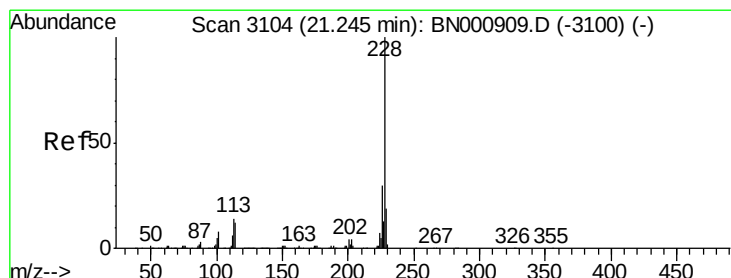
150000

100000

50000

0

21.20 21.25



#21

Chrysene

Concen: 4.799 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.01 min

Lab File: BN000917.D

Acq: 26 Apr 2018 06:14

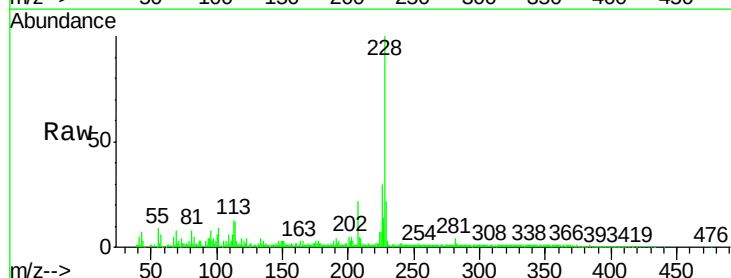
Tgt Ion:228 Resp: 136625

Ion Ratio Lower Upper

228 100

226 30.2 24.5 36.7

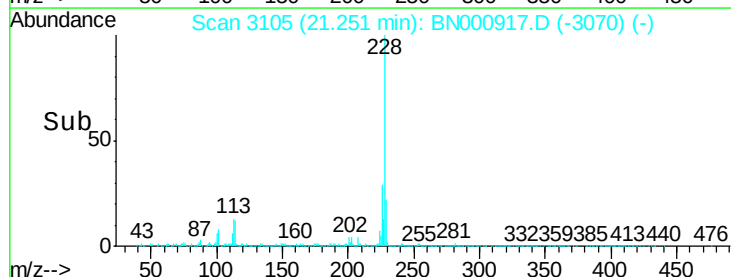
229 22.4 15.8 23.8



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



Time-->

21.20 21.25

150000

100000

50000

0

21.20 21.25

150000

100000

50000

0

21.20 21.25

150000

100000

50000

0

21.20 21.25

150000

100000

50000

0

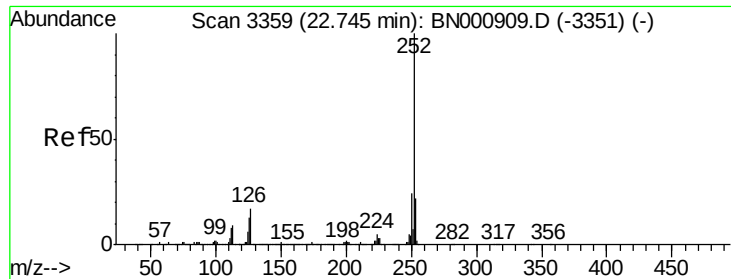
21.20 21.25

150000

100000

50000

0



#23

Benzo(b)fluoranthene

Concen: 7.026 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. 0.01 min

Lab File: BN000917.D

Acq: 26 Apr 2018 06:14

Instrument :

BNA_N

ClientSampled :

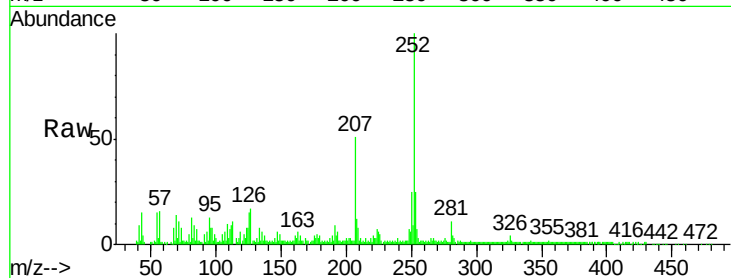
Tot Ion:252 Resp: 219947

Ion Ratio Lower Upper

252 100

253 25.3 18.0 27.0

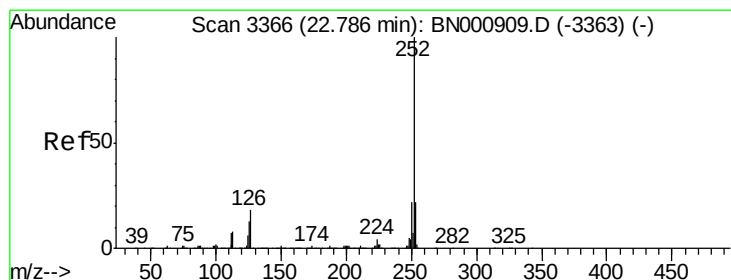
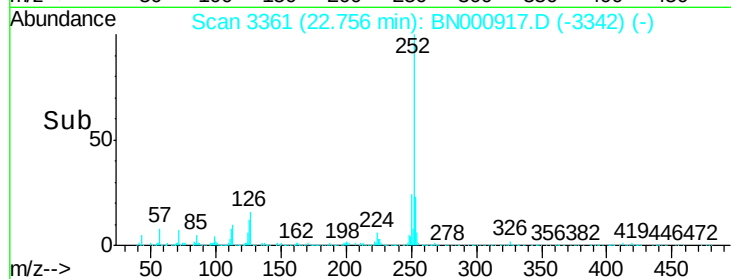
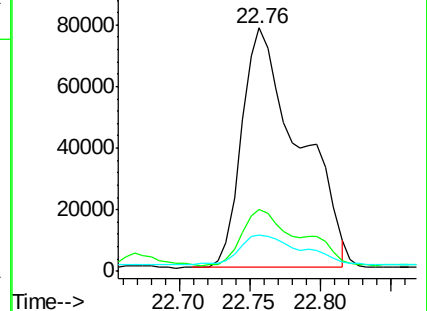
125 15.1 8.0 12.0#



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

Benzo(k)fluoranthene

Concen: 7.160 ng/ul

RT: 22.76 min Scan# 3361

Delta R.T. -0.03 min

Lab File: BN000917.D

Acq: 26 Apr 2018 06:14

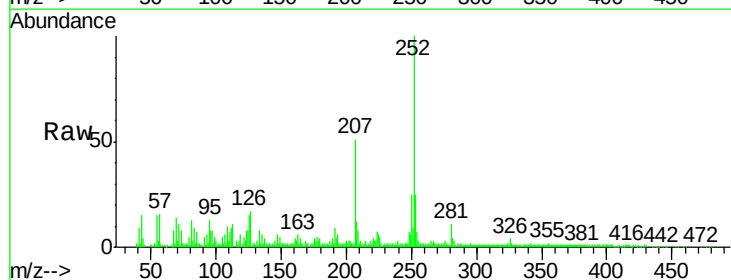
Tgt Ion:252 Resp: 219322

Ion Ratio Lower Upper

252 100

253 25.3 18.0 27.0

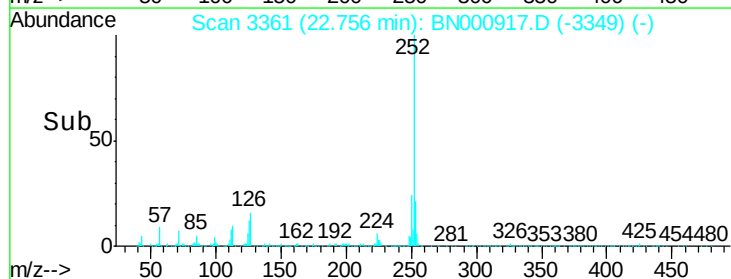
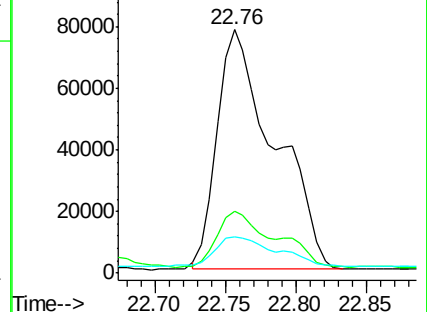
125 15.1 8.1 12.1#

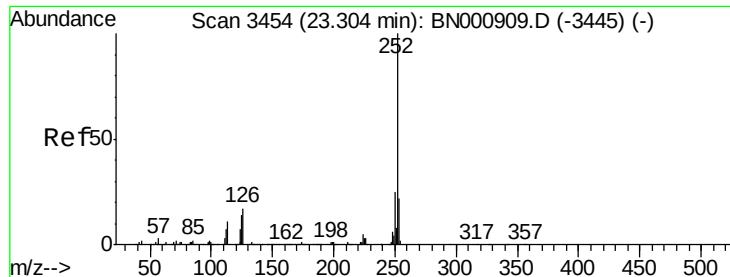


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 3.657 ng/ul

RT: 23.32 min Scan# 3456

Delta R.T. 0.01 min

Lab File: BN000917.D

Acq: 26 Apr 2018 06:14

Instrument :

BNA_N

ClientSampleId :

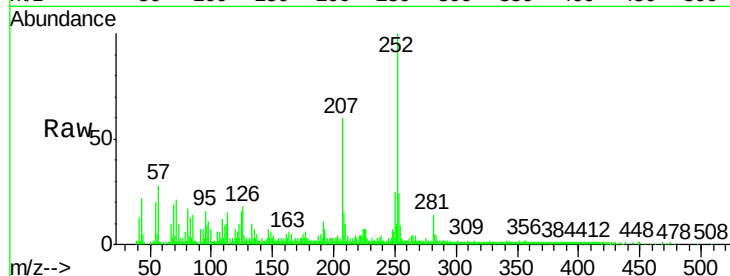
Tot Ion:252 Resp: 109387

Ion Ratio Lower Upper

252 100

253 24.3 17.2 25.8

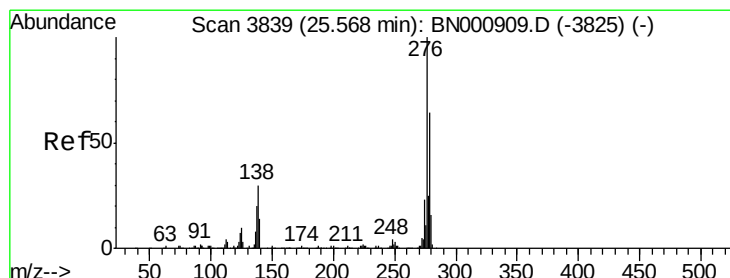
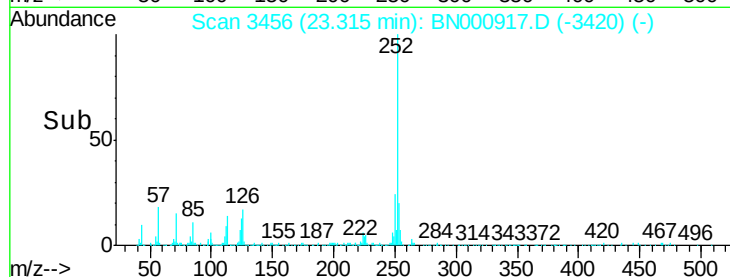
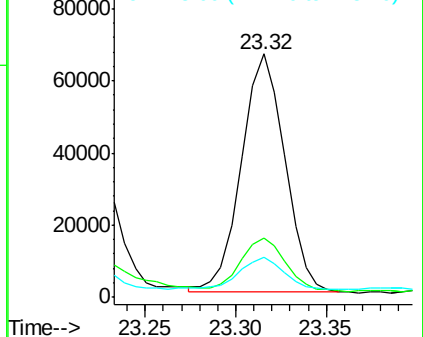
125 16.2 8.2 12.4#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.999 ng/ul

RT: 25.59 min Scan# 3843

Delta R.T. 0.02 min

Lab File: BN000917.D

Acq: 26 Apr 2018 06:14

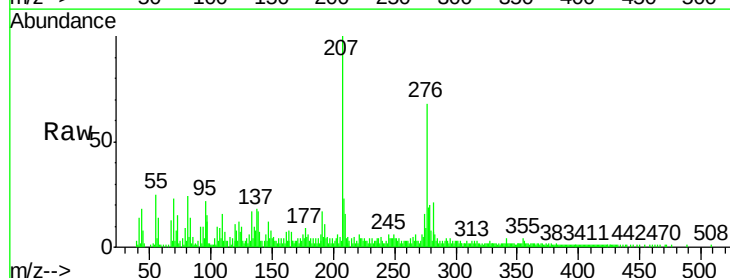
Tgt Ion:276 Resp: 72214

Ion Ratio Lower Upper

276 100

138 25.5 14.4 21.6#

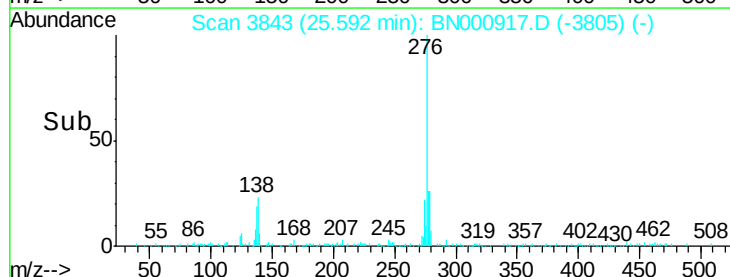
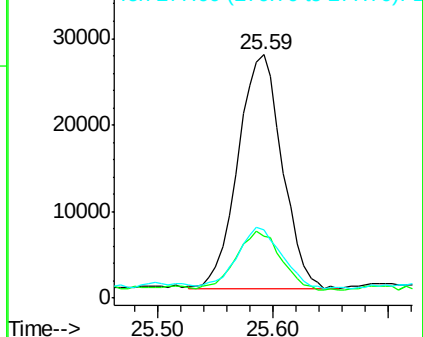
277 28.2 18.0 27.0#

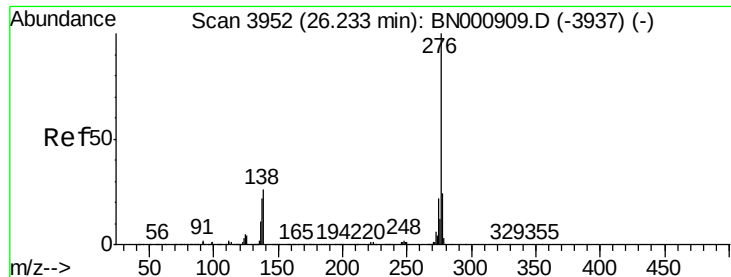


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#29

Benzo(a,h,i)perylene

Concen: 2.200 ng/ul

RT: 26.26 min Scan# 3956

Delta R.T. 0.02 min

Lab File: BN000917.D

Acq: 26 Apr 2018 06:14

Instrument :

BNA_N

ClientSampleId :

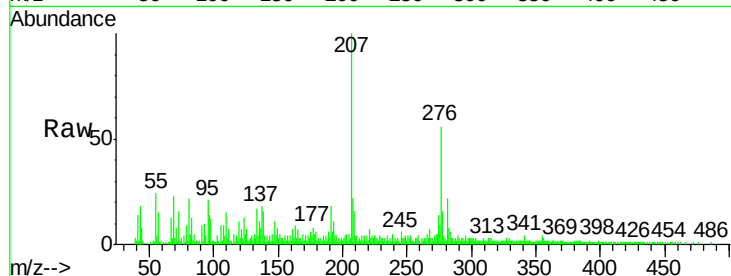
Tot Ion: 276 Resp: 66485

Ion Ratio Lower Upper

276 100

138 28.5 15.3 22.9#

277 28.3 19.0 28.4



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

