

Data Path : Z:\HPCHEM1\BNA N\DATA\BN043018\
 Data File : BN001015.D
 Acq On : 01 May 2018 04:00
 Operator : JU/SJ
 Sample : J2599-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: May 01 05:44:12 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue May 01 01:47:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	160853	20.00	ng/ul	0.00
2) Naphthalene-d8	10.38	136	690205	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	337995	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	601592	20.00	ng/ul	0.00
17) Chrysene-d12	21.20	240	479775	20.00	ng/ul	0.00
22) Perylene-d12	23.40	264	511985	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	13.94	160	535806	16.51	ng/ul	0.00
10) Fluorene-d10	15.25	176	363447	16.77	ng/ul	0.00
14) Anthracene-d10	17.10	188	480920	17.48	ng/ul	0.00
18) Pyrene-d10	19.40	212	453487	18.45	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.26	264	467828	19.34	ng/ul	0.00

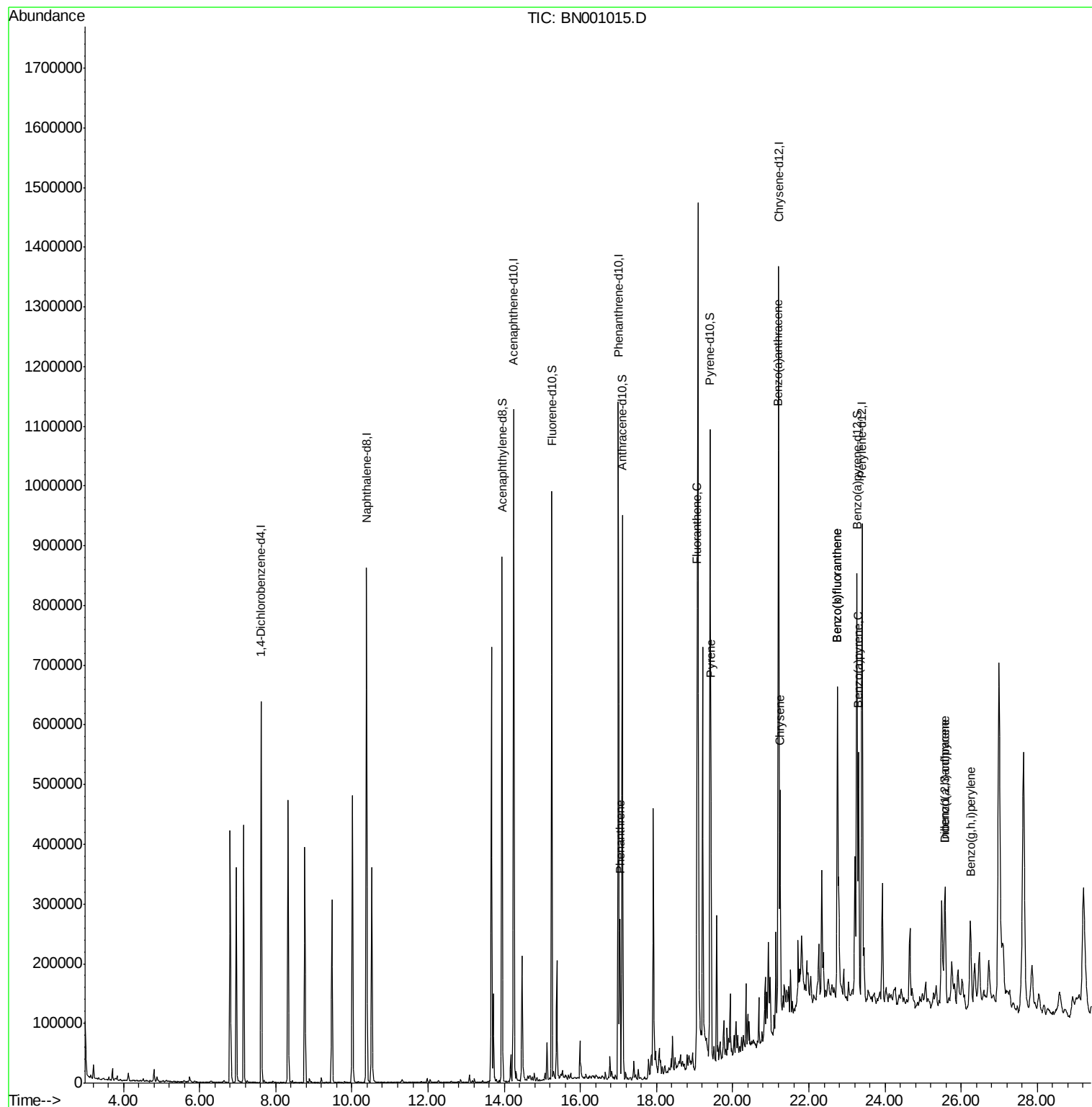
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	17.04	178	144366	4.400	ng/ul	99
16) Fluoranthene	19.06	202	375590	11.283	ng/ul#	92
19) Pyrene	19.43	202	311217	10.099	ng/ul#	92
20) Benzo(a)anthracene	21.19	228	145401	5.070	ng/ul	98
21) Chrysene	21.24	228	190893	7.082	ng/ul	98
23) Benzo(b)fluoranthene	22.74	252	320212	11.005	ng/ul#	96
24) Benzo(k)fluoranthene	22.74	252	389499	13.680	ng/ul#	97
26) Benzo(a)pyrene	23.30	252	178633	6.424	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	25.57	276	158269	4.712	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.57	278	37966	1.356	ng/ul#	83
29) Benzo(g,h,i)perylene	26.24	276	156129	5.558	ng/ul#	92

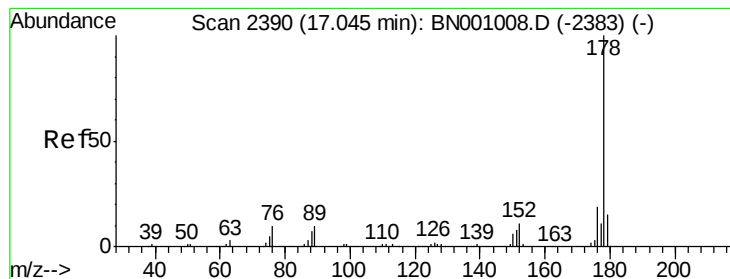
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 4.400 ng/ul

RT: 17.04 min Scan# 2389

Delta R.T. -0.01 min

Lab File: BN001015.D

Acq: 01 May 2018 04:00

Instrument :

BNA_N

ClientSampleId :

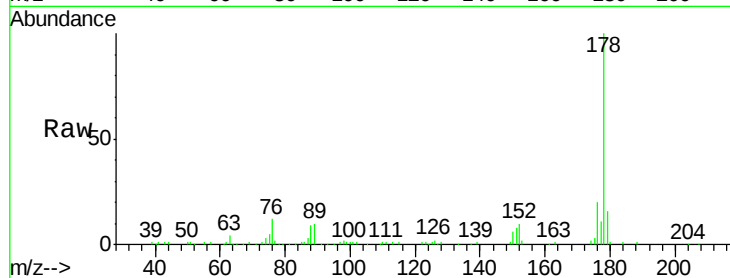
Tot Ion:178 Resp: 144366

Ion Ratio Lower Upper

178 100

179 15.5 12.3 18.5

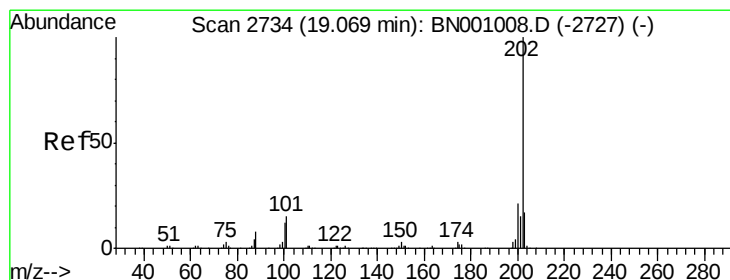
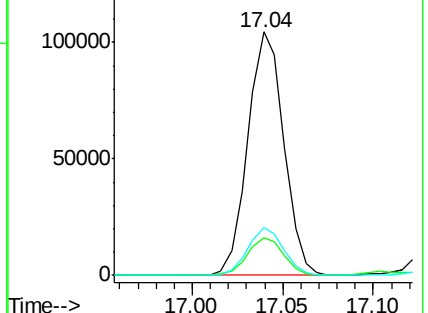
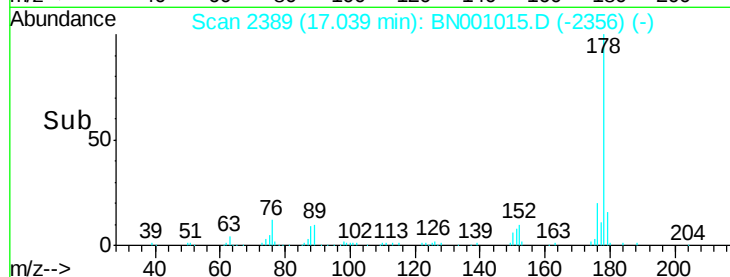
176 19.5 15.1 22.7



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



#16

Fluoranthene

Concen: 11.283 ng/ul

RT: 19.06 min Scan# 2733

Delta R.T. -0.01 min

Lab File: BN001015.D

Acq: 01 May 2018 04:00

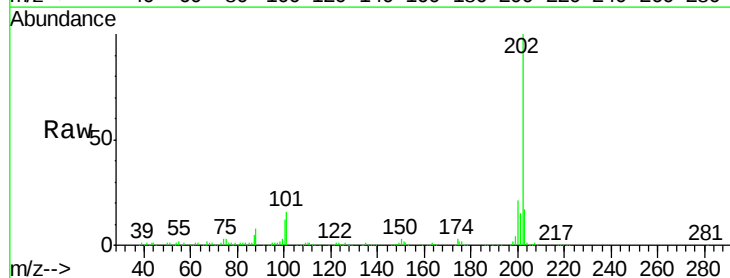
Tgt Ion:202 Resp: 375590

Ion Ratio Lower Upper

202 100

101 15.9 9.9 14.9#

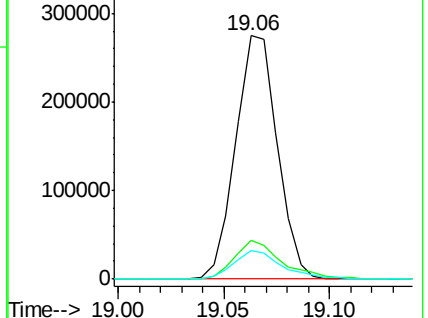
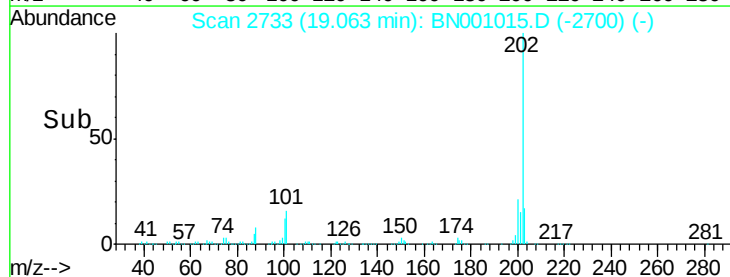
100 11.9 7.4 11.0#

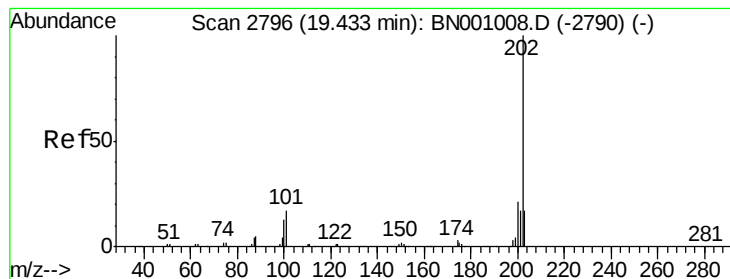


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 10.099 ng/ul

RT: 19.43 min Scan# 2796

Delta R.T. -0.00 min

Lab File: BN001015.D

Acq: 01 May 2018 04:00

Instrument :

BNA_N

ClientSampleId :

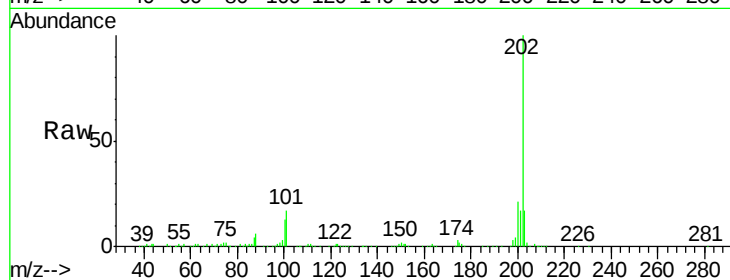
Tot Ion:202 Resp: 311217

Ion Ratio Lower Upper

202 100

101 16.8 11.0 16.4#

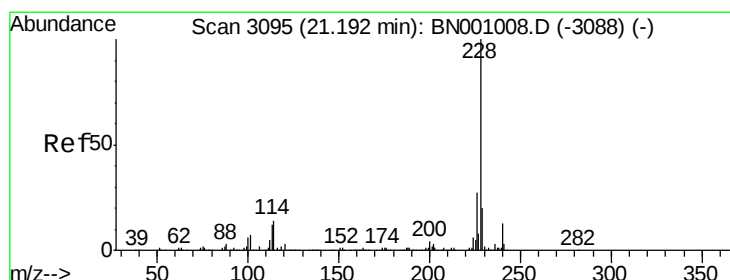
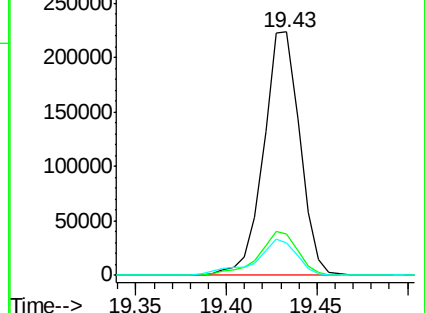
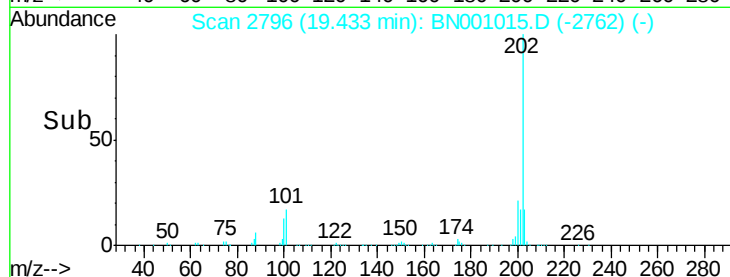
100 13.5 8.1 12.1#



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): E



#20

Benzo(a)anthracene

Concen: 5.070 ng/ul

RT: 21.19 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BN001015.D

Acq: 01 May 2018 04:00

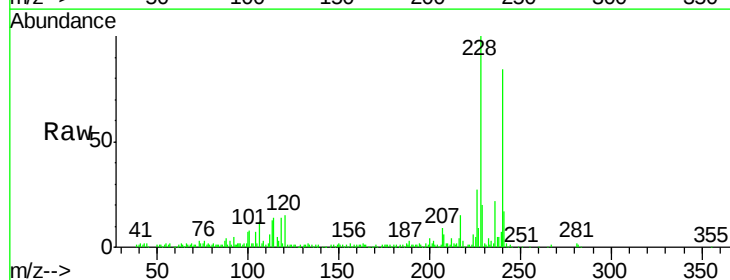
Tgt Ion:228 Resp: 145401

Ion Ratio Lower Upper

228 100

229 20.2 15.7 23.5

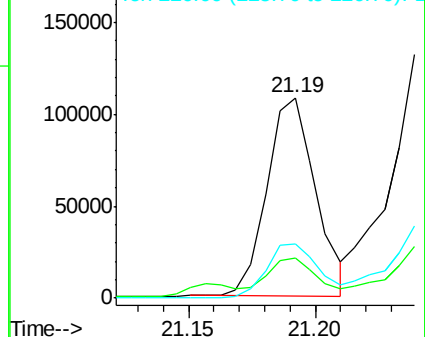
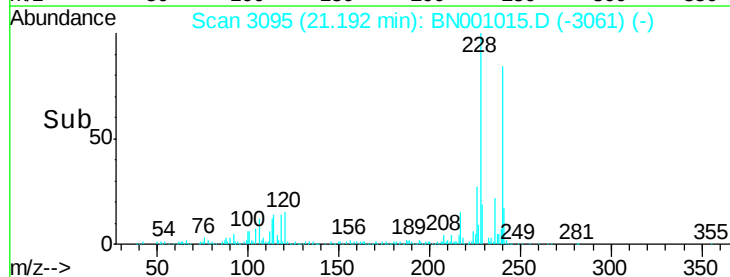
226 27.3 21.1 31.7

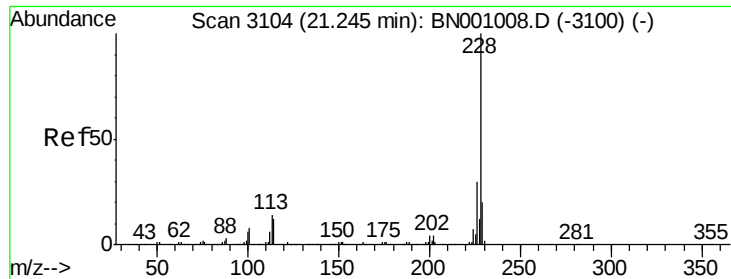


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 7.082 ng/ul

RT: 21.24 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BN001015.D

Acq: 01 May 2018 04:00

Instrument :

BNA_N

ClientSampleId :

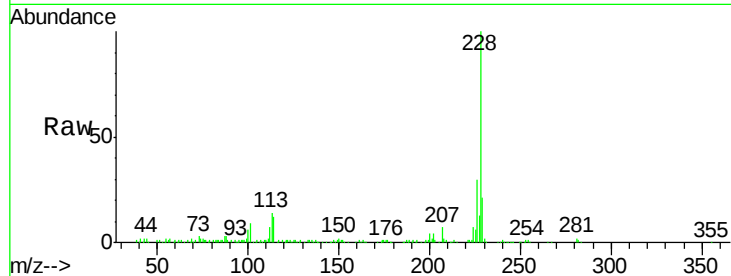
Tot Ion:228 Resp: 190893

Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

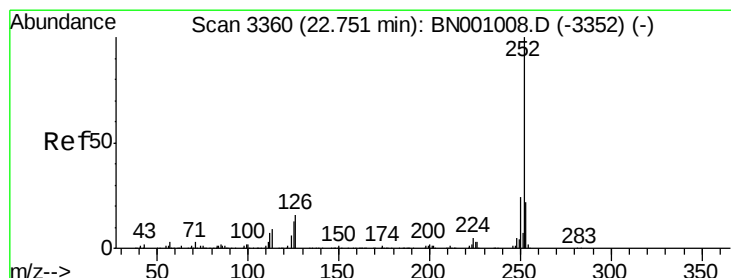
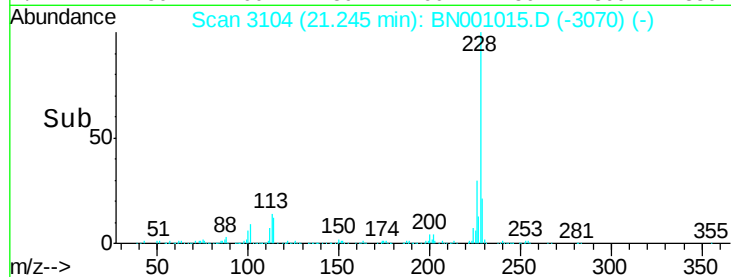
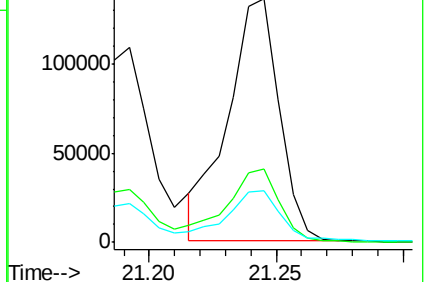
229 21.0 15.8 23.8



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



#23

Benzo(b)fluoranthene

Concen: 11.005 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. -0.01 min

Lab File: BN001015.D

Acq: 01 May 2018 04:00

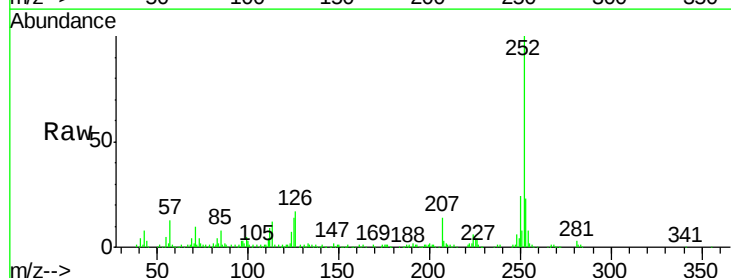
Tgt Ion:252 Resp: 320212

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

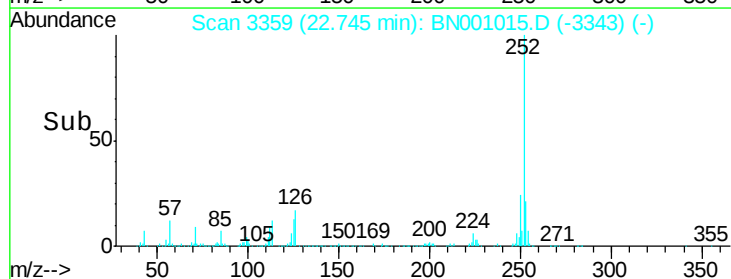
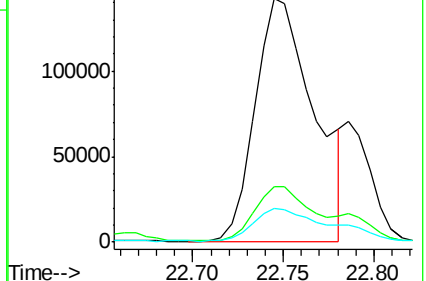
125 13.6 8.0 12.0#

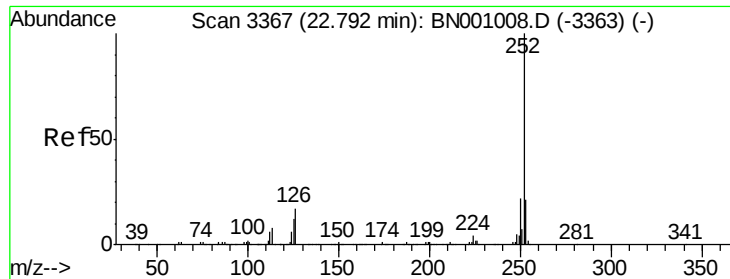


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 13.680 ng/u1

RT: 22.74 min Scan# 3359

Delta R.T. -0.05 min

Lab File: BN001015.D

Acq: 01 May 2018 04:00

Instrument :

BNA_N

ClientSampleId :

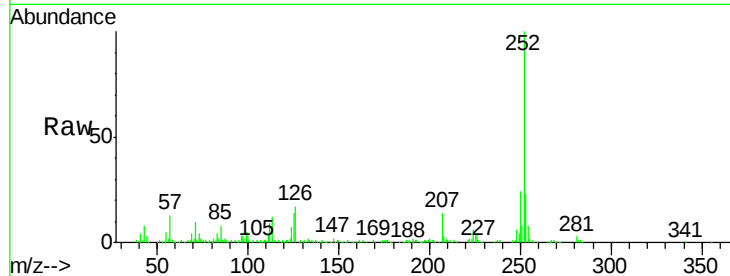
Tot Ion:252 Resp: 389499

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

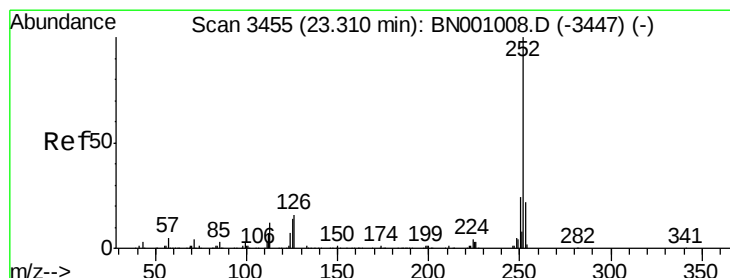
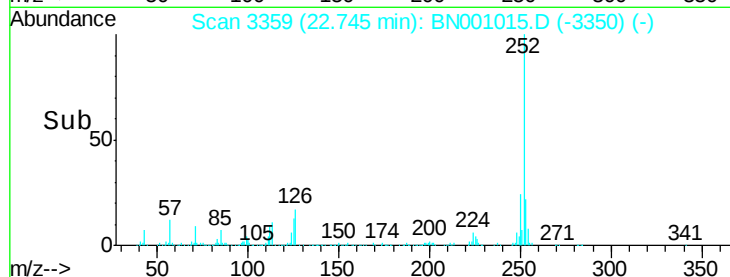
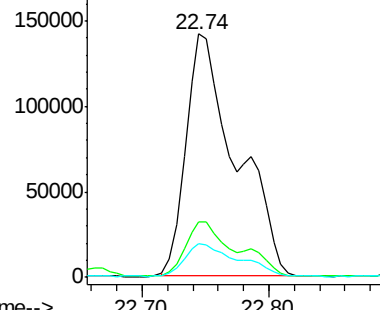
125 13.6 8.1 12.1#



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: 6.424 ng/u1

RT: 23.30 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BN001015.D

Acq: 01 May 2018 04:00

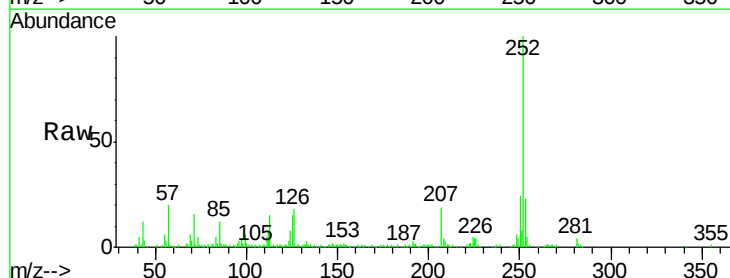
Tgt Ion:252 Resp: 178633

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

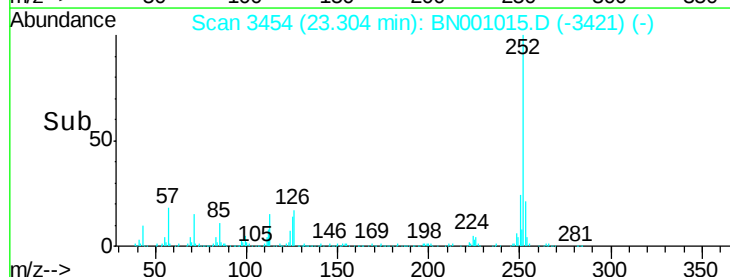
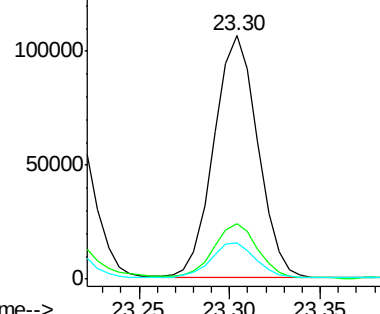
125 14.7 8.2 12.4#

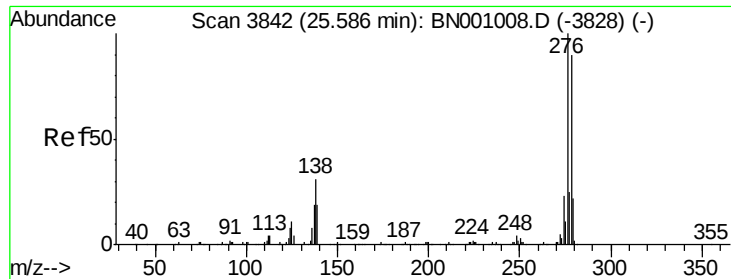


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

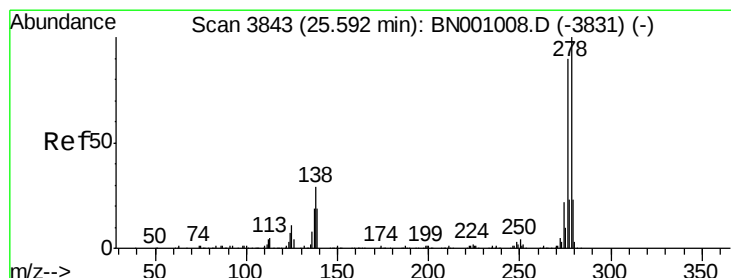
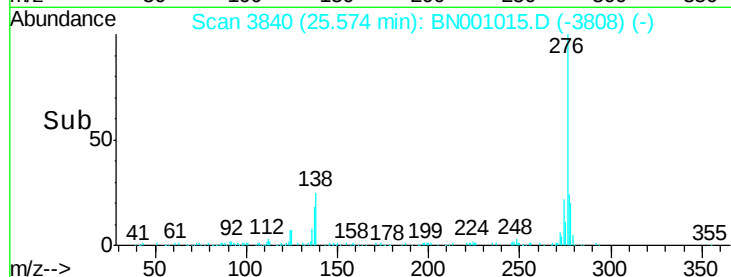
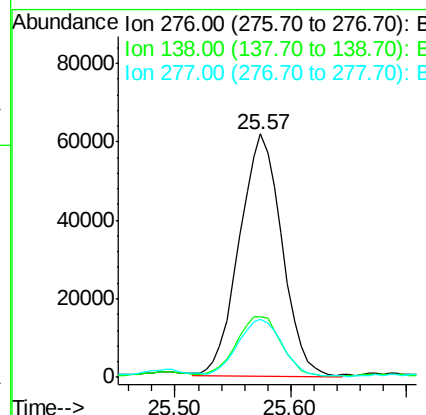
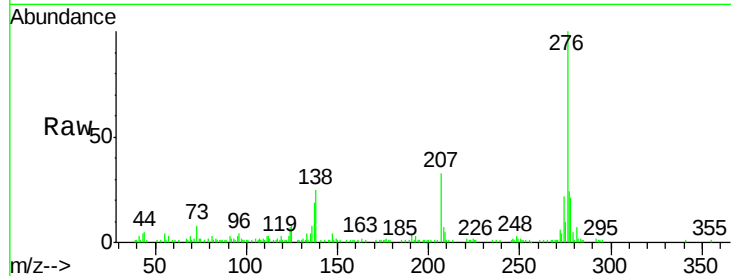




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 4.712 ng/ul
 RT: 25.57 min Scan# 3840
 Delta R.T. -0.01 min
 Lab File: BN001015.D
 Acq: 01 May 2018 04:00

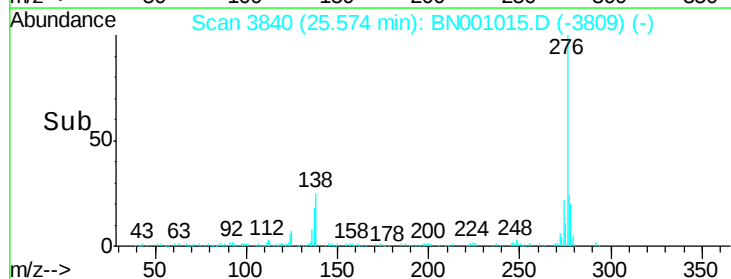
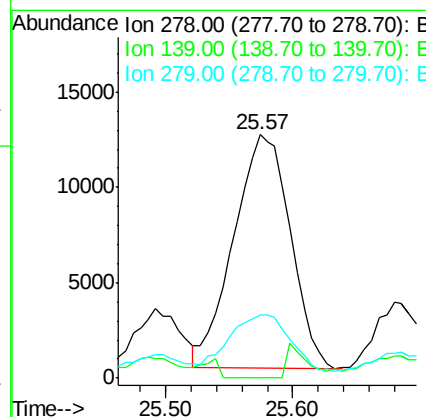
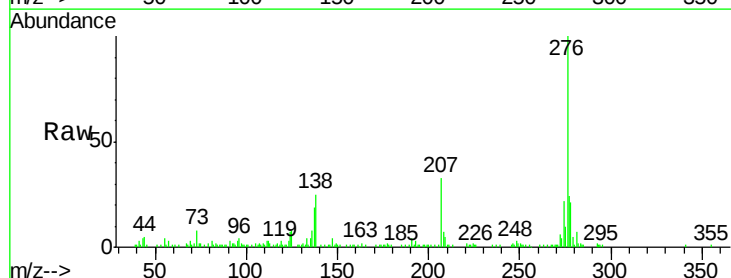
Instrument :
 BNA_N
 ClientSampleId :

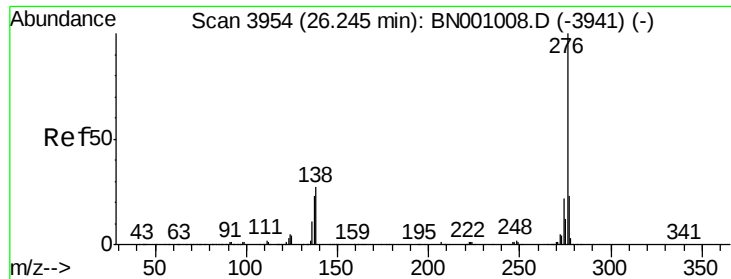
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	14.4	21.6#
277	24.0	18.0	27.0



#28
 Dibenzo(a,h)anthracene
 Concen: 1.356 ng/ul
 RT: 25.57 min Scan# 3840
 Delta R.T. -0.02 min
 Lab File: BN001015.D
 Acq: 01 May 2018 04:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.2	18.4#
279	26.1	19.2	28.8





#29

Benzo(a,h,i)perylene

Concen: 5.558 ng/ul

RT: 26.24 min Scan# 3953

Delta R.T. -0.01 min

Lab File: BN001015.D

Acq: 01 May 2018 04:00

Instrument :

BNA_N

ClientSampleId :

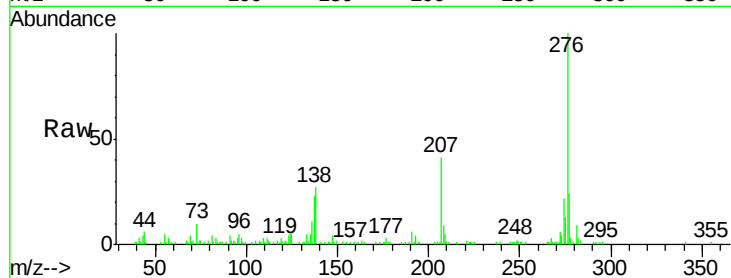
Tot Ion:276 Resp: 156129

Ion Ratio Lower Upper

276 100

138 27.1 15.3 22.9#

277 24.1 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

