

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031318\
 Data File : BN000342.D
 Acq On : 13 Mar 2018 11:13
 Operator : JU/SJ
 Sample : J1864-16
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 DAMH2

Quant Time: Mar 14 05:42:55 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 14 05:40:51 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	405782	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	1815544	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	936744	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1891351	20.00	ng/ul	0.00
17) Chrysene-d12	21.91	240	1537996	20.00	ng/ul	0.00
22) Perylene-d12	24.40	264	1305782	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	14.76	160	3204757	34.47	ng/ul	0.00
10) Fluorene-d10	16.05	176	2024411	32.16	ng/ul	0.00
14) Anthracene-d10	17.88	188	2934406	33.21	ng/ul	0.00
18) Pyrene-d10	20.14	212	2926283	38.89	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.24	264	2022312	33.92	ng/ul	0.01

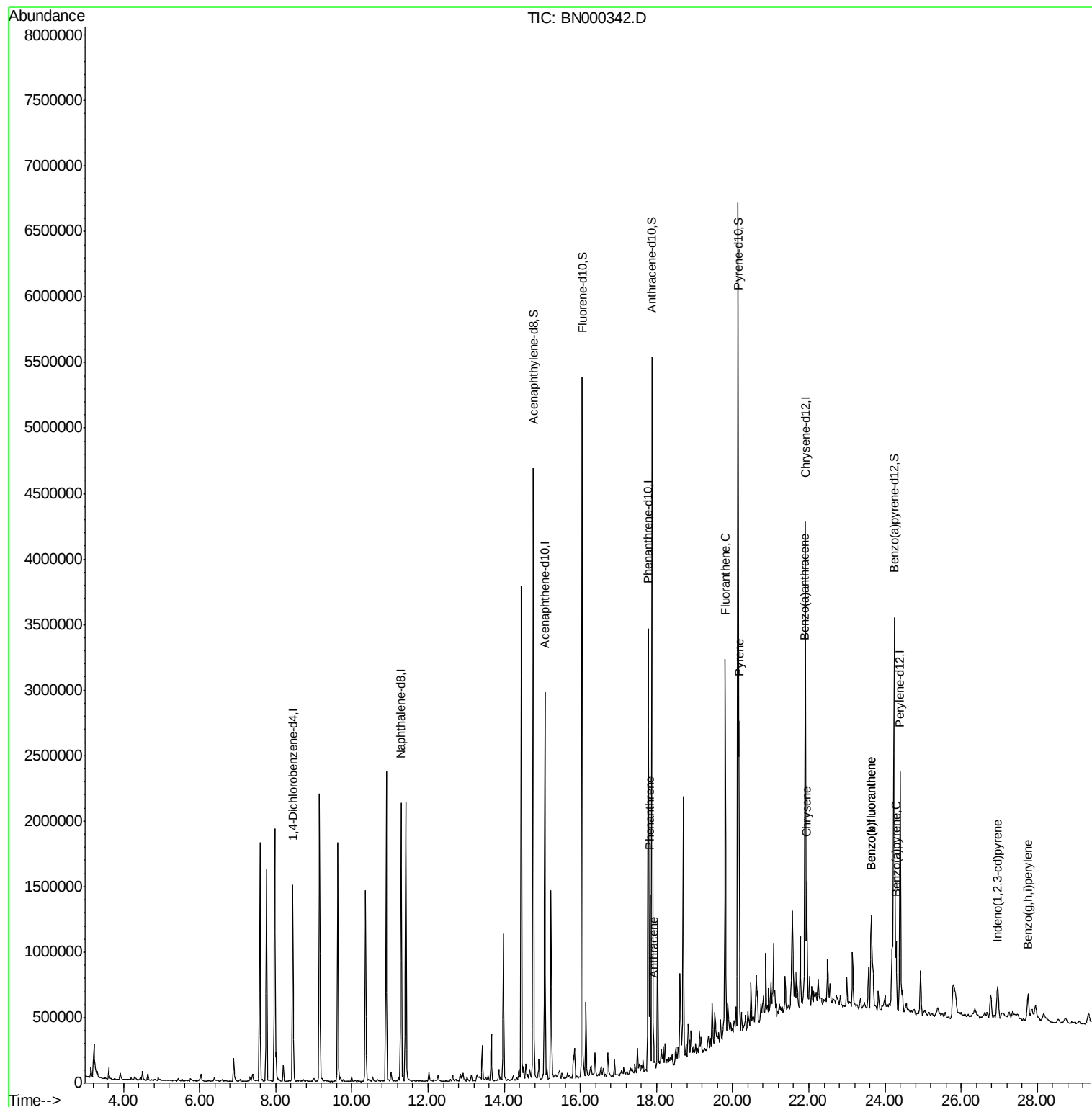
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	17.83	178	715120	6.593	ng/ul	99
15) Anthracene	17.92	178	179915	1.635	ng/ul	99
16) Fluoranthene	19.80	202	1594195	13.603	ng/ul#	92
19) Pyrene	20.17	202	1244483	12.816	ng/ul#	91
20) Benzo(a)anthracene	21.89	228	548369	5.735	ng/ul	98
21) Chrysene	21.95	228	512002	5.643	ng/ul	98
23) Benzo(b)fluoranthene	23.64	252	596640	7.663	ng/ul#	95
24) Benzo(k)fluoranthene	23.64	252	761058	10.442	ng/ul#	95
26) Benzo(a)pyrene	24.29	252	361867	4.883	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	26.96	276	234144	2.930	ng/ul#	84
29) Benzo(g,h,i)perylene	27.76	276	232374	3.483	ng/ul#	87

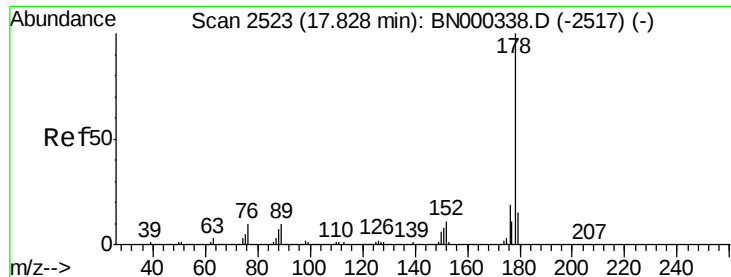
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 6.593 ng/ul

RT: 17.83 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BN000342.D

Acq: 13 Mar 2018 11:13

Instrument :

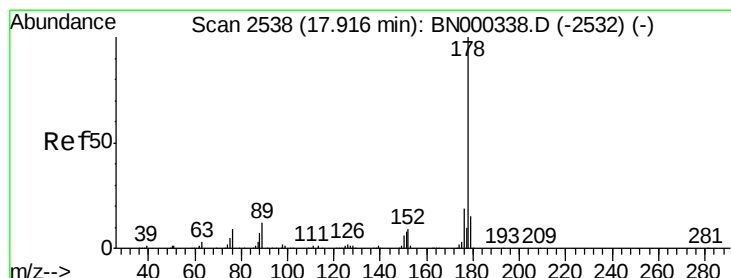
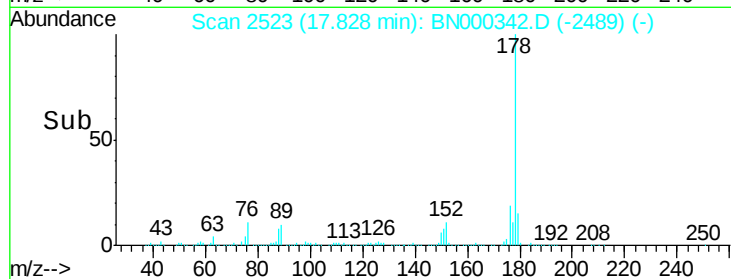
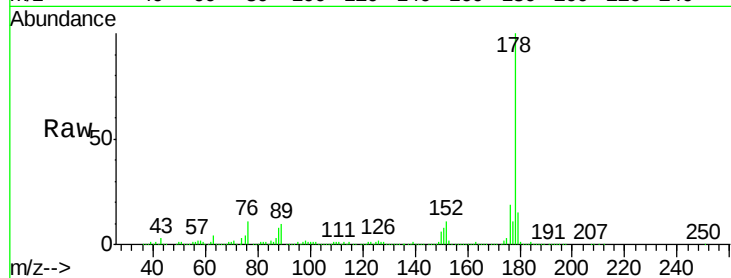
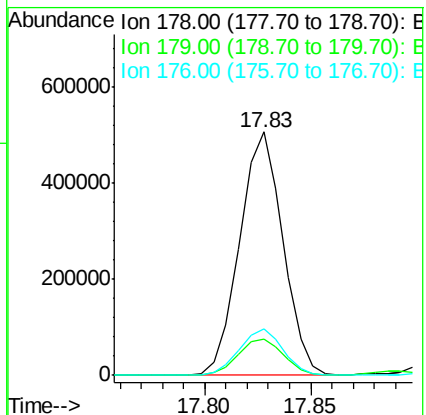
BNA_N

ClientSampleId :

DAMH2

Tot Ion:178 Resp: 715120

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.3	18.5
176	19.0	15.1	22.7



#15

Anthracene

Concen: 1.635 ng/ul

RT: 17.92 min Scan# 2538

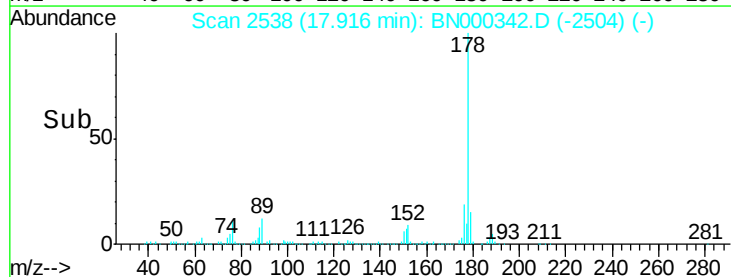
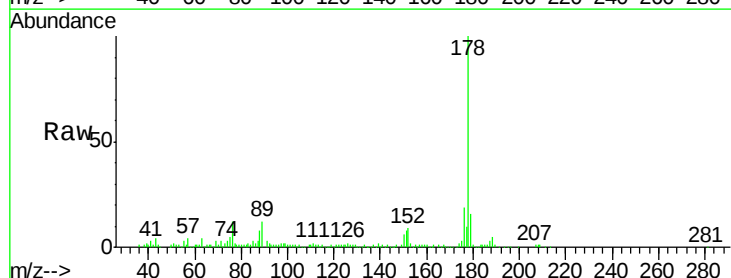
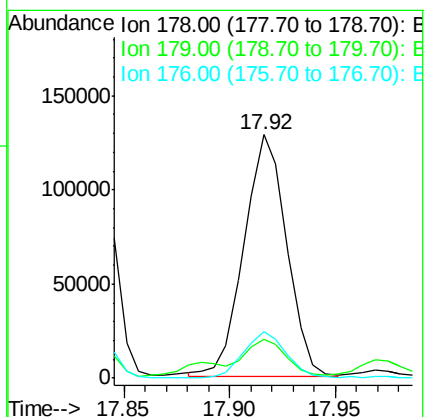
Delta R.T. -0.00 min

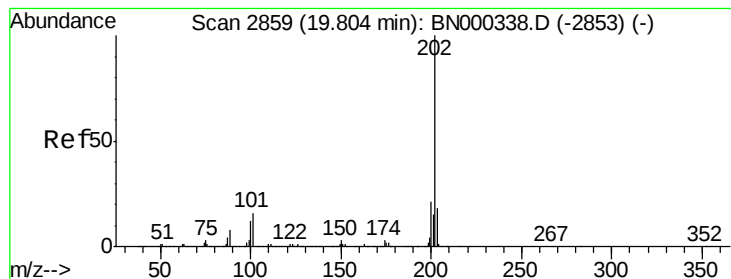
Lab File: BN000342.D

Acq: 13 Mar 2018 11:13

Tgt Ion:178 Resp: 179915

Ion	Ratio	Lower	Upper
178	100		
179	15.7	11.8	17.8
176	19.0	15.2	22.8





#16

Fluoranthene

Concen: 13.603 ng/ul

RT: 19.80 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BN000342.D

Acq: 13 Mar 2018 11:13

Instrument :

BNA_N

ClientSampleId :

DAMH2

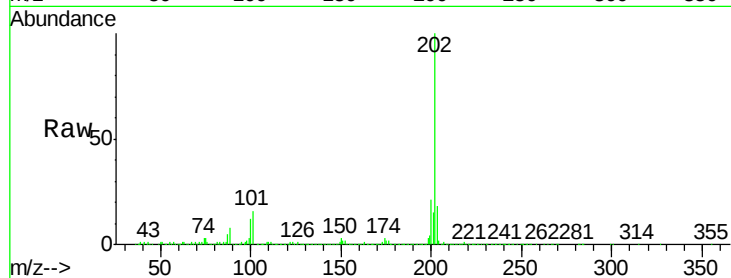
Tot Ion:202 Resp: 1594195

Ion Ratio Lower Upper

202 100

101 15.9 9.9 14.9#

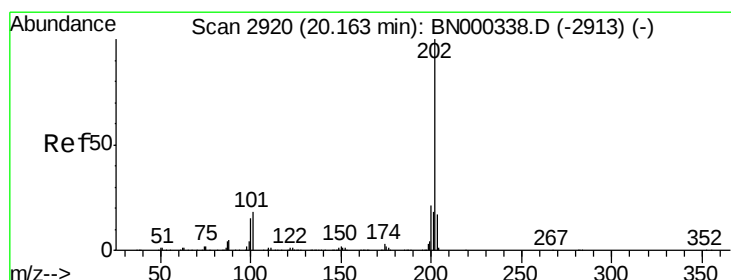
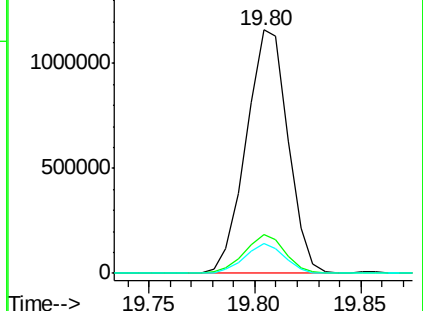
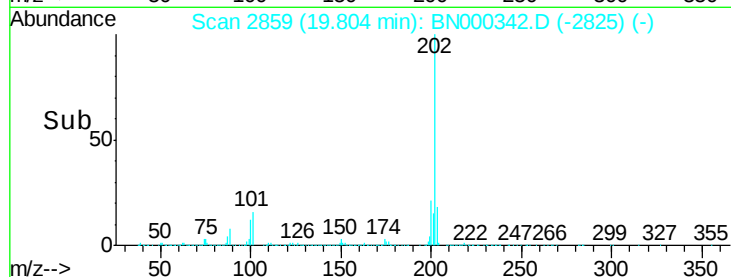
100 12.1 7.4 11.0#



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

Pyrene

Concen: 12.816 ng/ul

RT: 20.17 min Scan# 2921

Delta R.T. 0.01 min

Lab File: BN000342.D

Acq: 13 Mar 2018 11:13

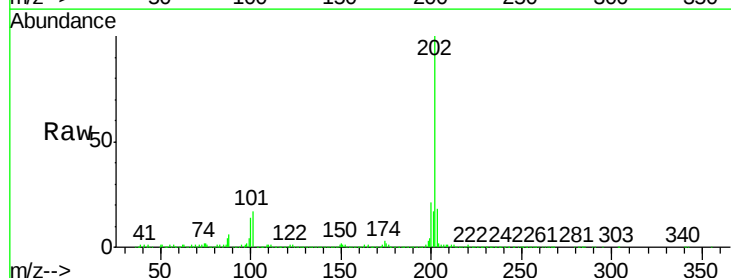
Tgt Ion:202 Resp: 1244483

Ion Ratio Lower Upper

202 100

101 17.1 11.0 16.4#

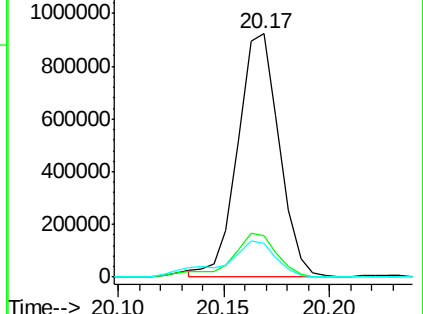
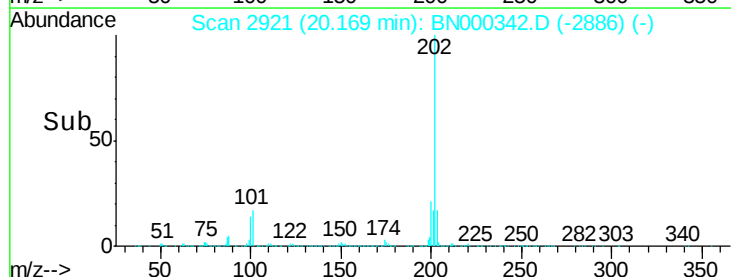
100 13.9 8.1 12.1#

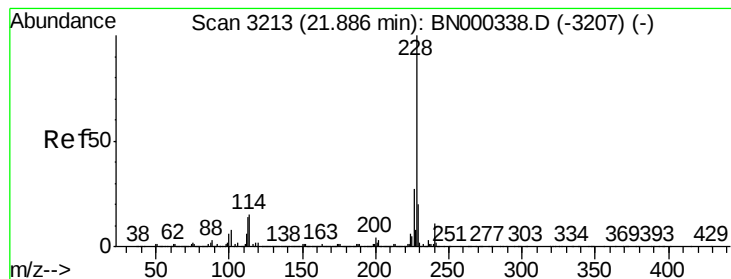


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 5.735 ng/ul

RT: 21.89 min Scan# 3214

Delta R.T. 0.01 min

Lab File: BN000342.D

Acq: 13 Mar 2018 11:13

Instrument :

BNA_N

ClientSampleId :

DAMH2

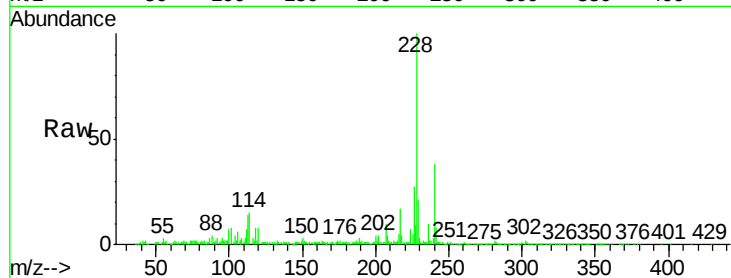
Tot Ion:228 Resp: 548369

Ion Ratio Lower Upper

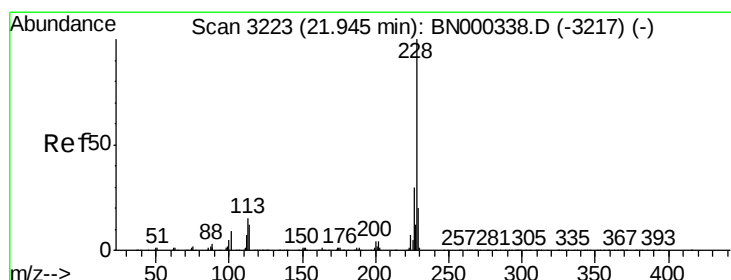
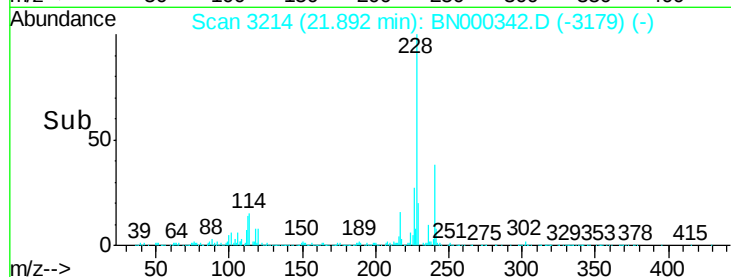
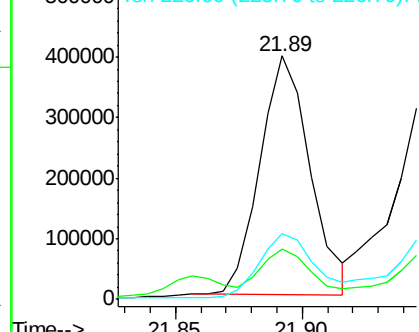
228 100

229 20.6 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: 5.643 ng/ul

RT: 21.95 min Scan# 3224

Delta R.T. 0.01 min

Lab File: BN000342.D

Acq: 13 Mar 2018 11:13

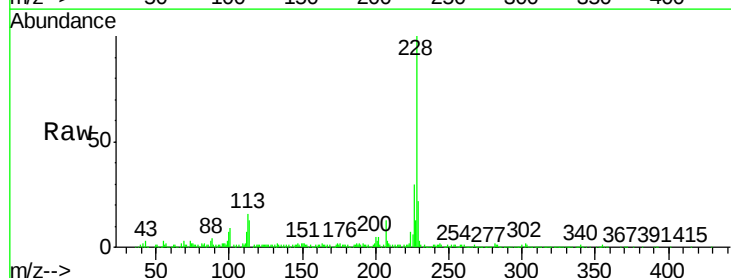
Tgt Ion:228 Resp: 512002

Ion Ratio Lower Upper

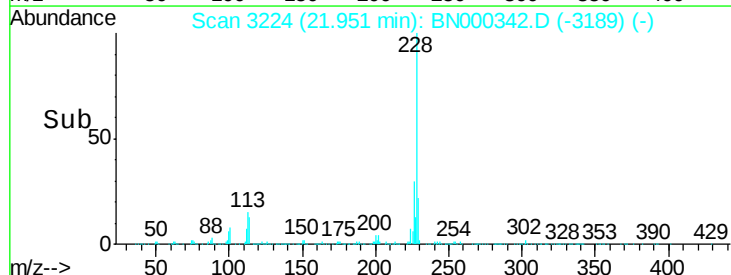
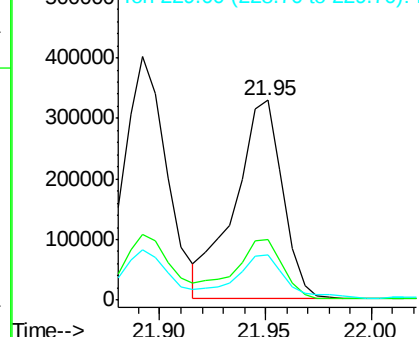
228 100

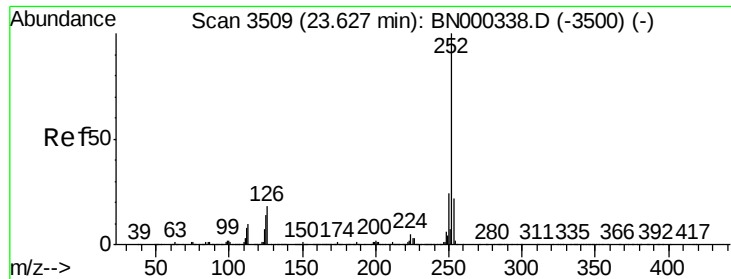
226 30.5 24.5 36.7

229 22.5 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

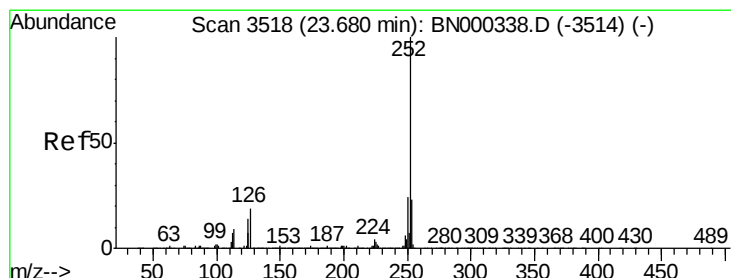
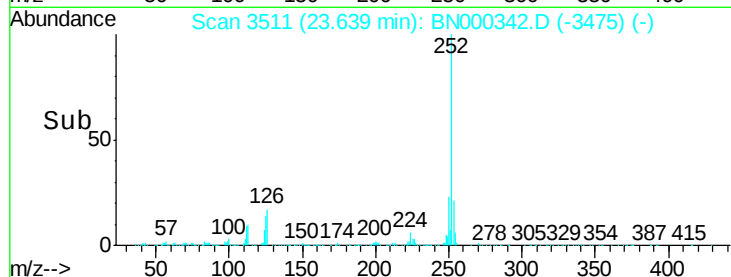
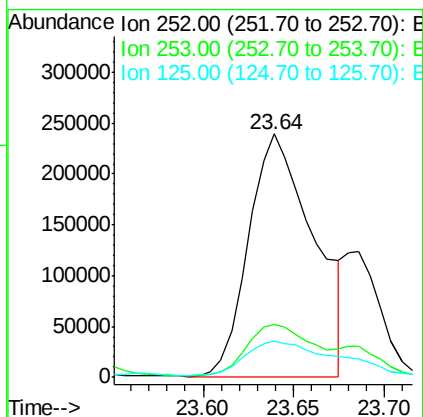
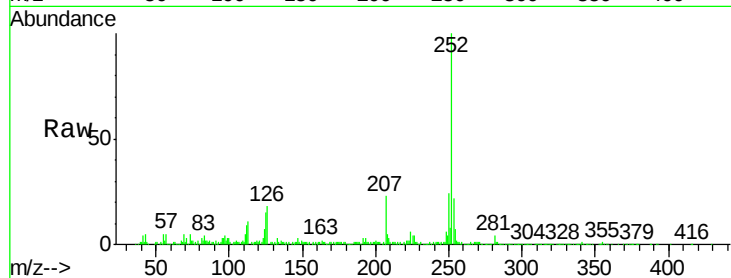




#23
Benzo(b)fluoranthene
Concen: 7.663 ng/ul
RT: 23.64 min Scan# 3511
Delta R.T. 0.01 min
Lab File: BN000342.D
Acq: 13 Mar 2018 11:13

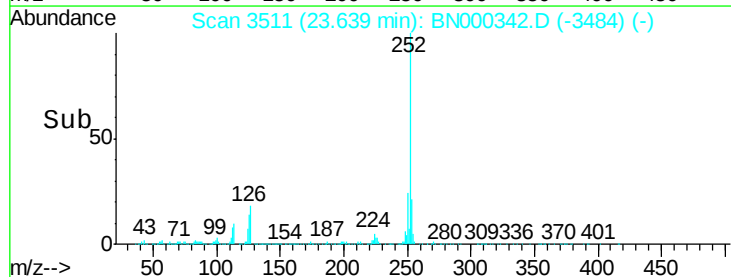
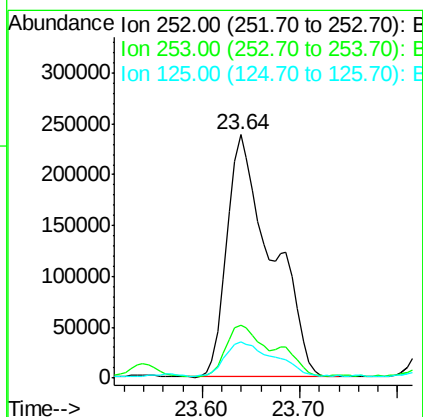
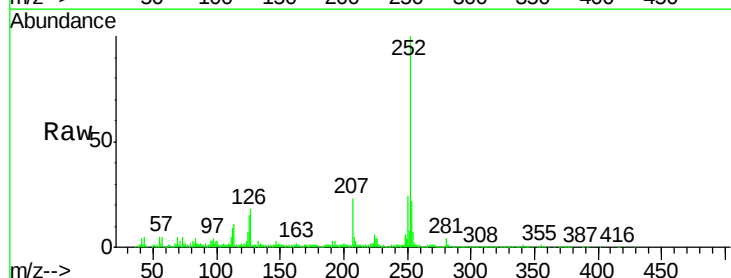
Instrument :
BNA_N
ClientSampleId :
DAMH2

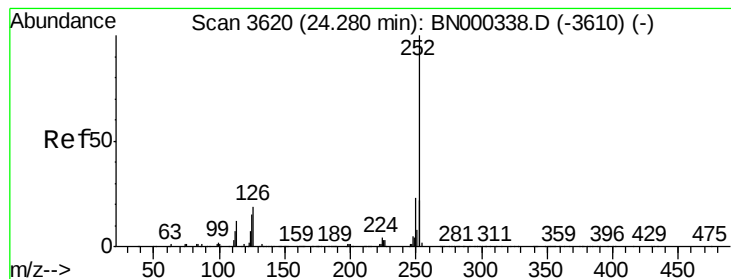
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	14.9	8.0	12.0#



#24
Benzo(k)fluoranthene
Concen: 10.442 ng/ul
RT: 23.64 min Scan# 3511
Delta R.T. -0.04 min
Lab File: BN000342.D
Acq: 13 Mar 2018 11:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.0	27.0
125	14.9	8.1	12.1#





#26

Benzo(a)pyrene

Concen: 4.883 ng/ul

RT: 24.29 min Scan# 3622

Delta R.T. 0.01 min

Lab File: BN000342.D

Acq: 13 Mar 2018 11:13

Instrument :

BNA_N

ClientSampleID :

DAMH2

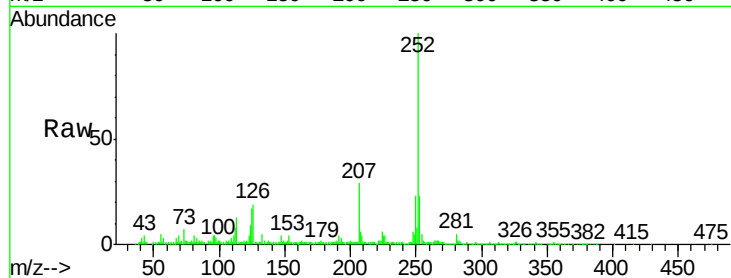
Tot Ion:252 Resp: 361867

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

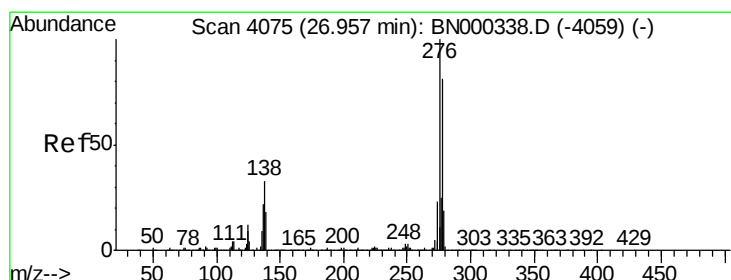
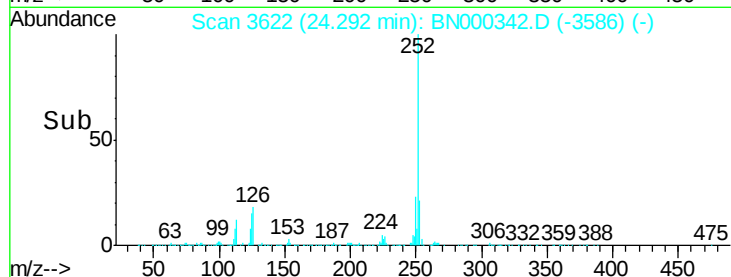
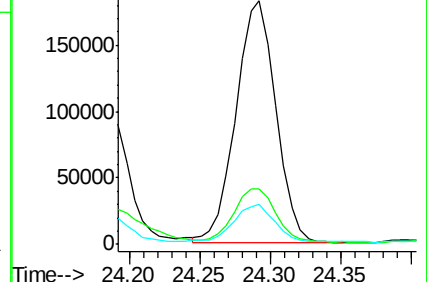
125 16.6 8.2 12.4#



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: 2.930 ng/ul

RT: 26.96 min Scan# 4075

Delta R.T. -0.00 min

Lab File: BN000342.D

Acq: 13 Mar 2018 11:13

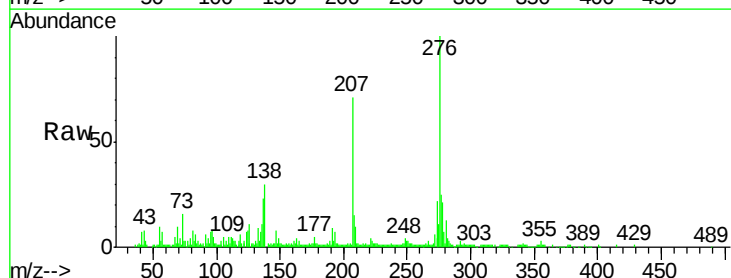
Tgt Ion:276 Resp: 234144

Ion Ratio Lower Upper

276 100

138 30.3 14.4 21.6#

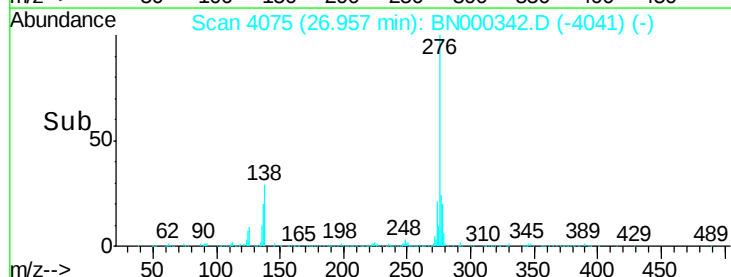
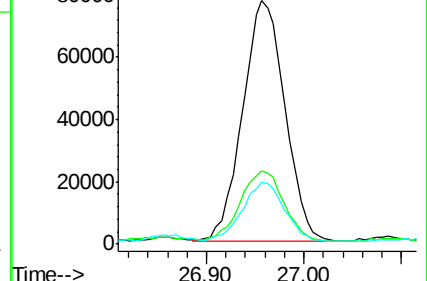
277 25.4 18.0 27.0

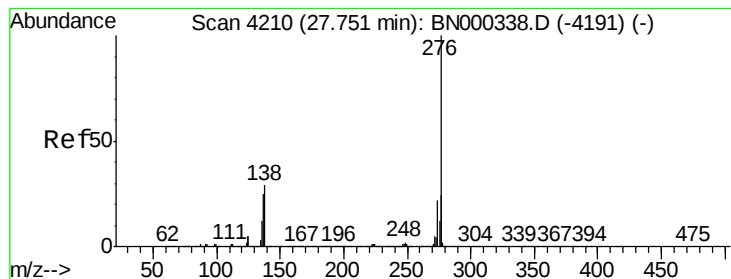


Abundance Ion 276.00 (275.70 to 276.70): E

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: 3.483 ng/ul

RT: 27.76 min Scan# 4211

Delta R.T. 0.01 min

Lab File: BN000342.D

Acq: 13 Mar 2018 11:13

Instrument :

BNA_N

ClientSampleId :

DAMH2

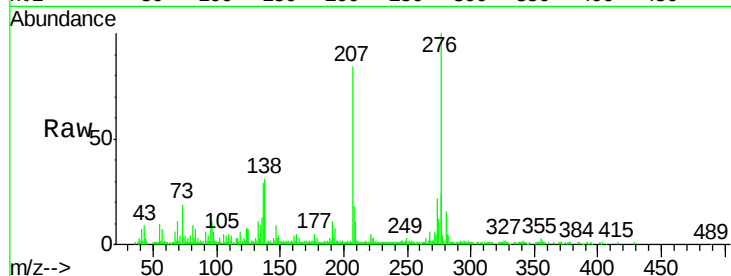
Tot Ion:276 Resp: 232374

Ion Ratio Lower Upper

276 100

138 31.0 15.3 22.9#

277 24.5 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

