

Data Path : Z:\HPCHEM1\BNA N\DATA\BN031418\
 Data File : BN000397.D
 Acq On : 15 Mar 2018 04:26
 Operator : JU/SJ
 Sample : J1865-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 15 07:58:09 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN030918MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 15 07:55:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.45	152	274329	20.00	ng/ul	0.00
2) Naphthalene-d8	11.29	136	1311966	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.06	164	724296	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.79	188	1535291	20.00	ng/ul	0.00
17) Chrysene-d12	21.90	240	1275716	20.00	ng/ul	0.00
22) Perylene-d12	24.39	264	1151645	20.00	ng/ul	0.00

System Monitoring Compounds

7) Acenaphthylene-d8	14.76	160	2218447	30.86	ng/ul	0.00
10) Fluorene-d10	16.05	176	1445032	29.68	ng/ul	0.00
14) Anthracene-d10	17.89	188	2162996	30.15	ng/ul	0.00
18) Pyrene-d10	20.14	212	2238034	35.86	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.24	264	1608448	30.58	ng/ul	0.00

Target Compounds

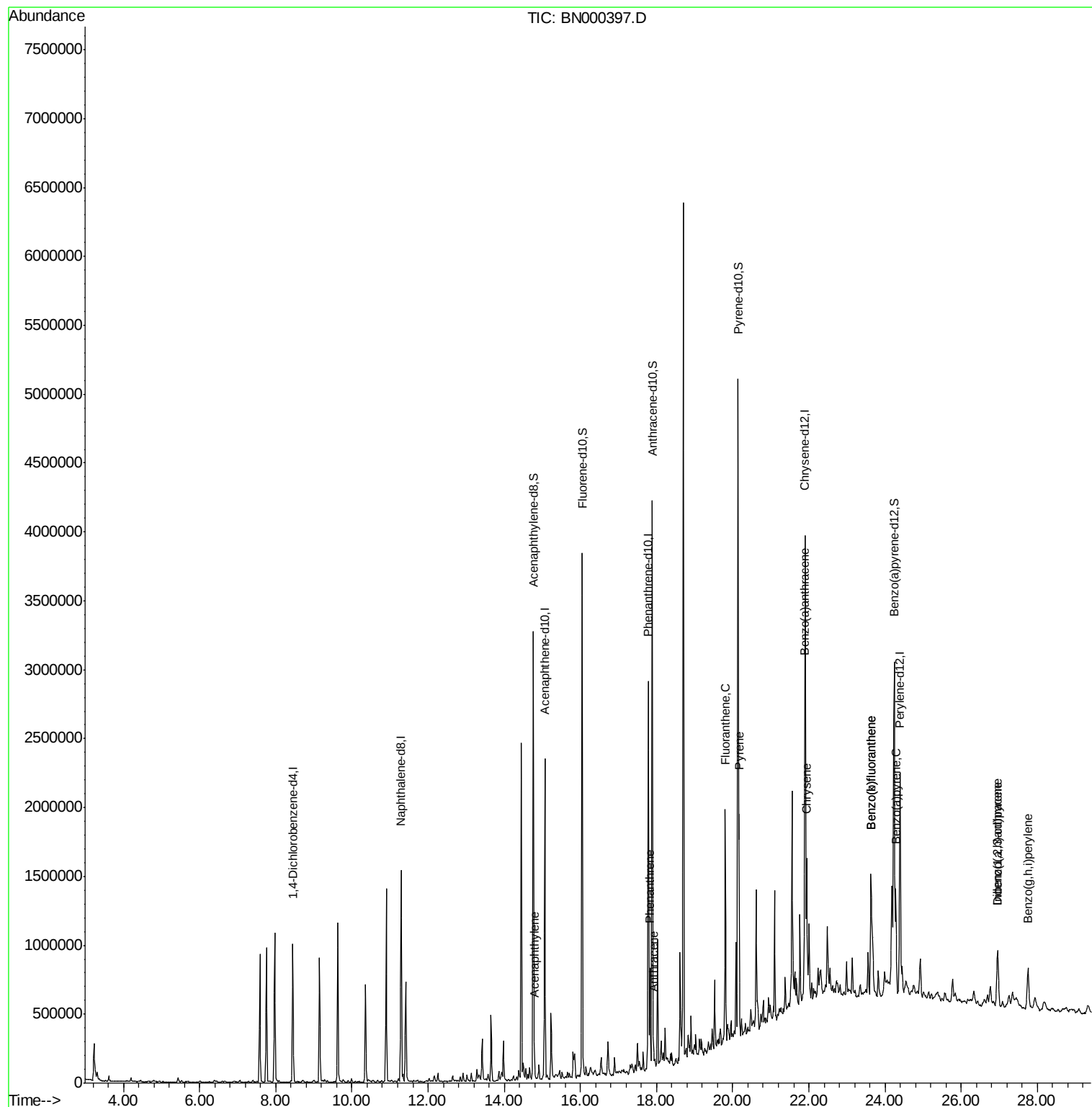
						Ovalue
8) Acenaphthylene	14.79	152	72423	1.003	ng/ul	98
13) Phenanthrene	17.83	178	303534	3.447	ng/ul	99
15) Anthracene	17.92	178	94545	1.058	ng/ul	98
16) Fluoranthene	19.80	202	920081	9.672	ng/ul#	92
19) Pyrene	20.17	202	837921	10.403	ng/ul#	91
20) Benzo(a)anthracene	21.89	228	501831	6.328	ng/ul	98
21) Chrysene	21.94	228	510545	6.784	ng/ul	98
23) Benzo(b)fluoranthene	23.63	252	761479	11.088	ng/ul#	95
24) Benzo(k)fluoranthene	23.63	252	761479	11.846	ng/ul#	95
26) Benzo(a)pyrene	24.29	252	500189	7.653	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	26.96	276	388827	5.518	ng/ul#	84
28) Dibenzo(a,h)anthracene	26.96	278	111202	1.925	ng/ul#	83
29) Benzo(a,h,i)perylene	27.76	276	363576	6.179	ng/ul#	91

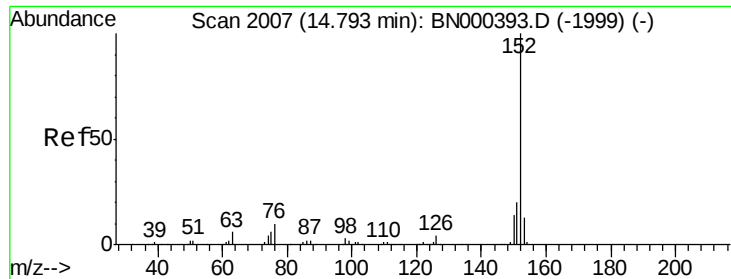
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 15 07:55:46 2018
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#8

Acenaphthylene

Concen: 1.003 ng/ul

RT: 14.79 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BN000397.D

Acq: 15 Mar 2018 04:26

Instrument :

BNA_N

ClientSampleId :

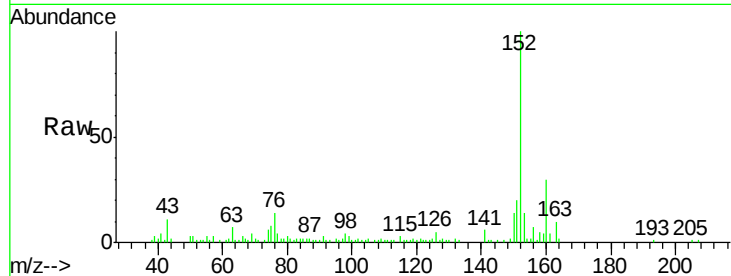
Tot Ion:152 Resp: 72423

Ion Ratio Lower Upper

152 100

151 20.2 16.7 25.1

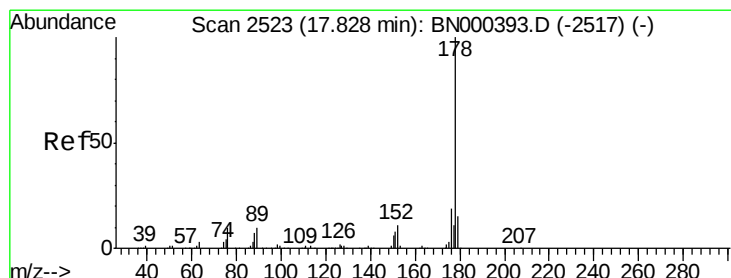
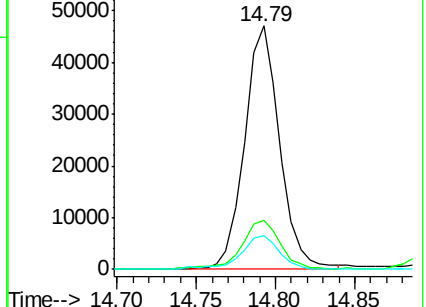
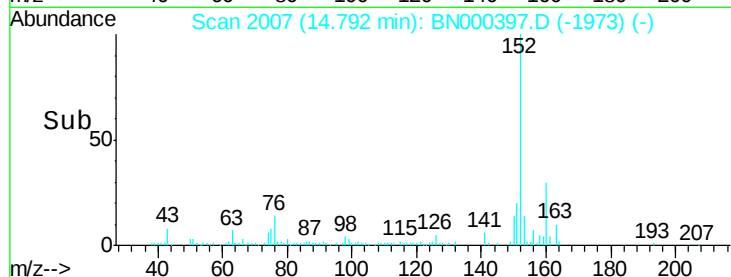
153 14.0 10.2 15.4



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



#13

Phenanthrene

Concen: 3.447 ng/ul

RT: 17.83 min Scan# 2523

Delta R.T. -0.00 min

Lab File: BN000397.D

Acq: 15 Mar 2018 04:26

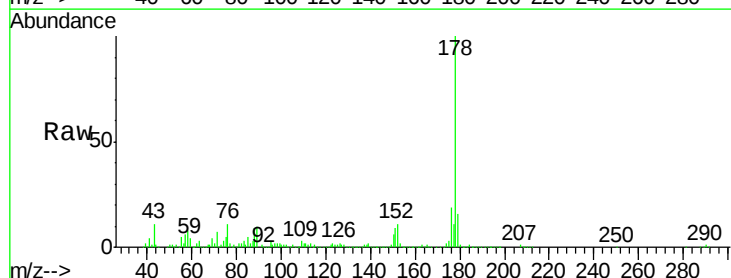
Tgt Ion:178 Resp: 303534

Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

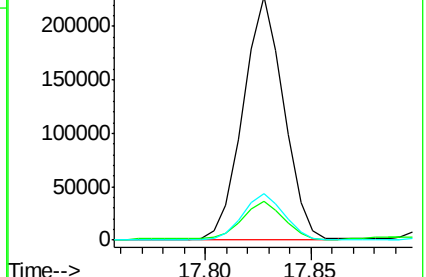
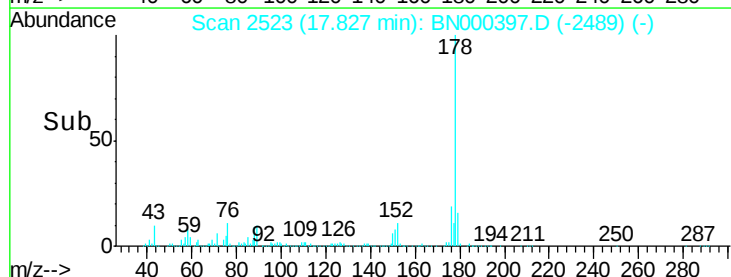
176 19.2 15.1 22.7

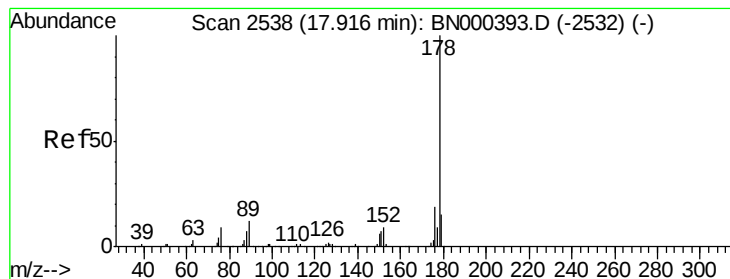


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 1.058 ng/ul

RT: 17.92 min Scan# 2538

Delta R.T. -0.00 min

Lab File: BN000397.D

Acq: 15 Mar 2018 04:26

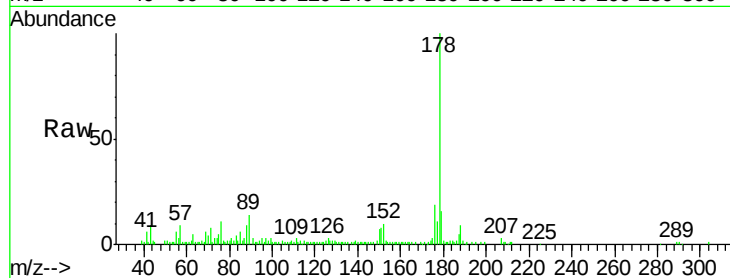
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 94545

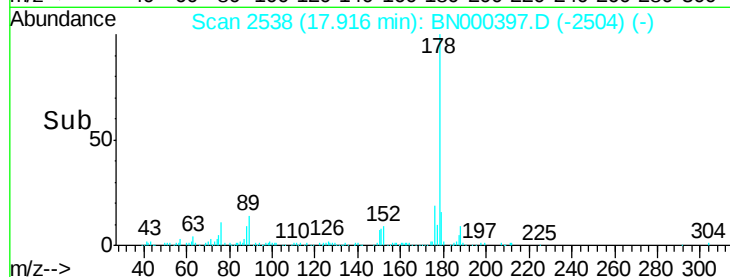
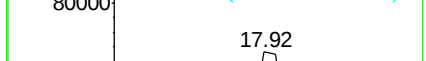
Ion	Ratio	Lower	Upper
178	100		
179	16.5	11.8	17.8
176	18.9	15.2	22.8



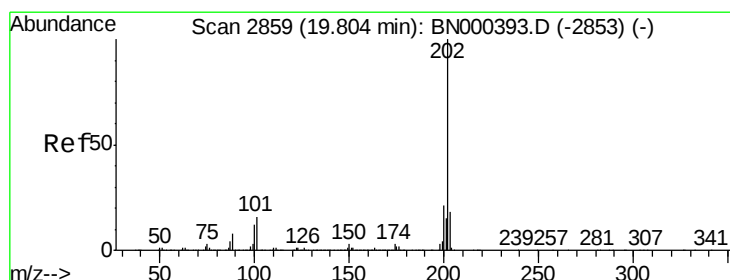
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#16

Fluoranthene

Concen: 9.672 ng/ul

RT: 19.80 min Scan# 2859

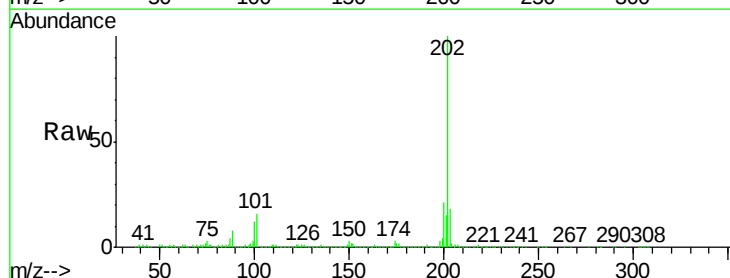
Delta R.T. -0.00 min

Lab File: BN000397.D

Acq: 15 Mar 2018 04:26

Tgt Ion:202 Resp: 920081

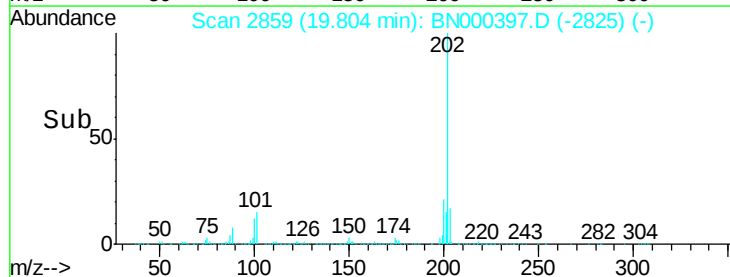
Ion	Ratio	Lower	Upper
202	100		
101	15.7	9.9	14.9#
100	11.8	7.4	11.0#



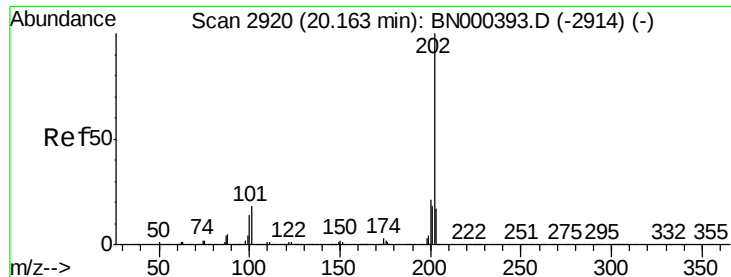
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#19

Pvrene

Concen: 10.403 ng/ul

RT: 20.17 min Scan# 2921

Delta R.T. 0.01 min

Lab File: BN000397.D

Acq: 15 Mar 2018 04:26

Instrument :

BNA_N

ClientSampleId :

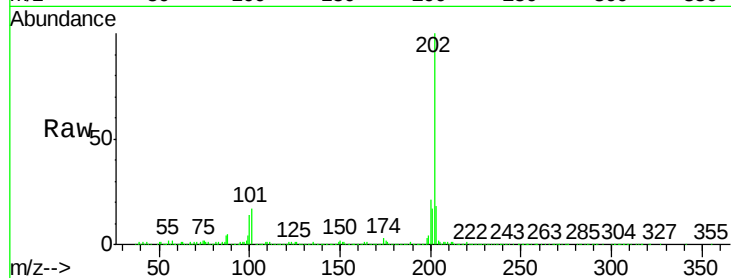
Tot Ion:202 Resp: 837921

Ion Ratio Lower Upper

202 100

101 17.3 11.0 16.4#

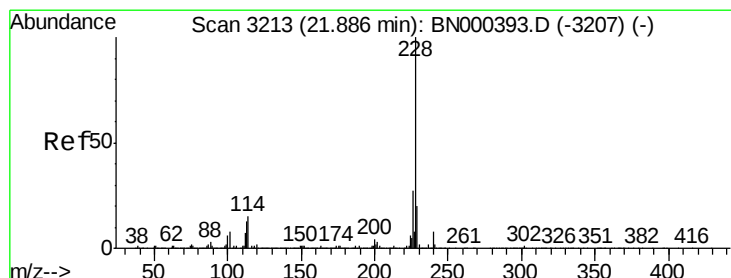
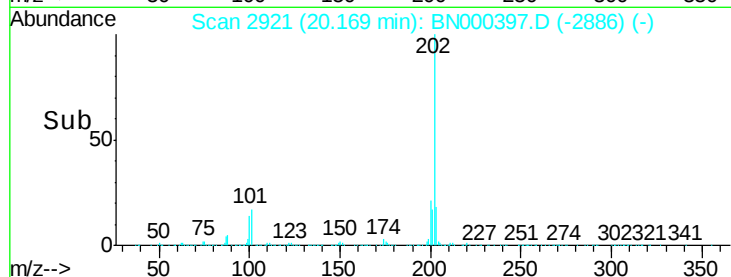
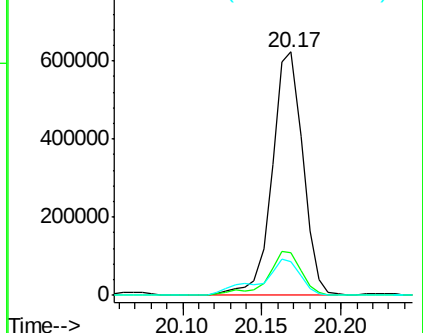
100 13.6 8.1 12.1#



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: 6.328 ng/ul

RT: 21.89 min Scan# 3213

Delta R.T. -0.00 min

Lab File: BN000397.D

Acq: 15 Mar 2018 04:26

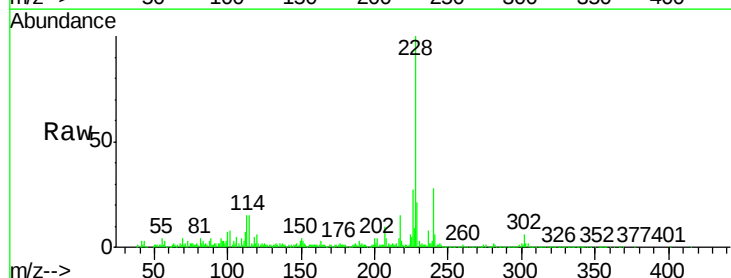
Tgt Ion:228 Resp: 501831

Ion Ratio Lower Upper

228 100

229 20.6 15.7 23.5

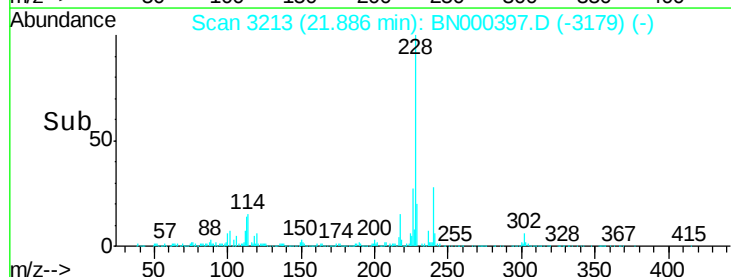
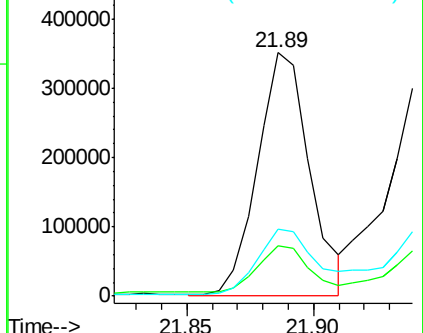
226 27.5 21.1 31.7

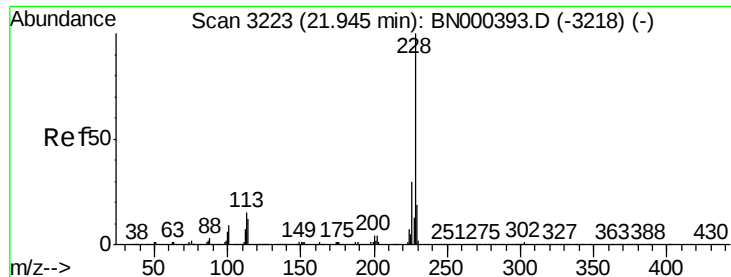


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 6.784 ng/ul

RT: 21.94 min Scan# 3223

Delta R.T. -0.00 min

Lab File: BN000397.D

Acq: 15 Mar 2018 04:26

Instrument :

BNA_N

ClientSampleId :

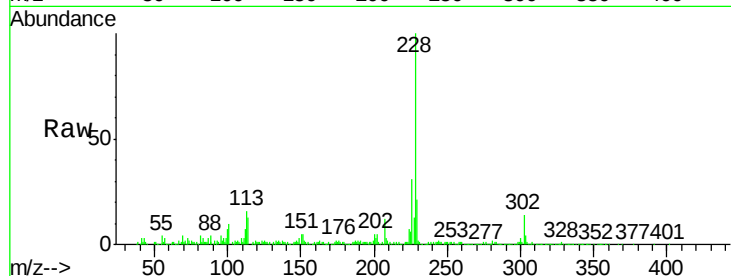
Tot Ion:228 Resp: 510545

Ion Ratio Lower Upper

228 100

226 31.0 24.5 36.7

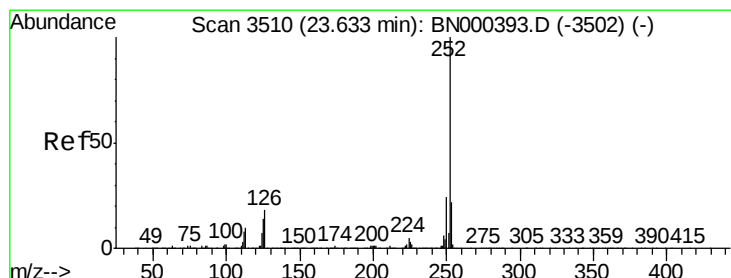
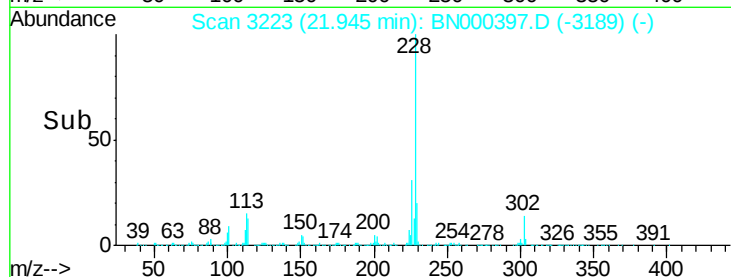
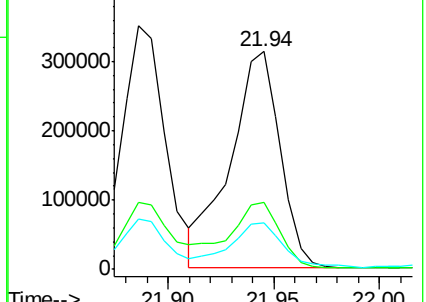
229 21.2 15.8 23.8



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: 11.088 ng/ul

RT: 23.63 min Scan# 3510

Delta R.T. -0.00 min

Lab File: BN000397.D

Acq: 15 Mar 2018 04:26

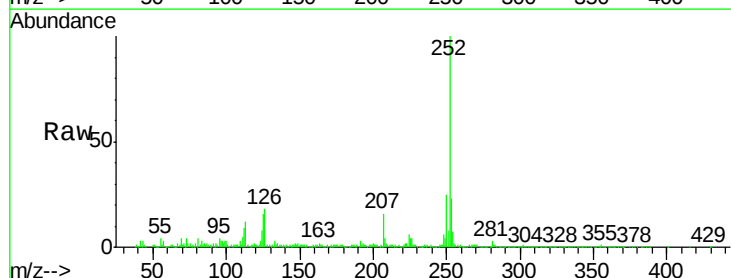
Tgt Ion:252 Resp: 761479

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

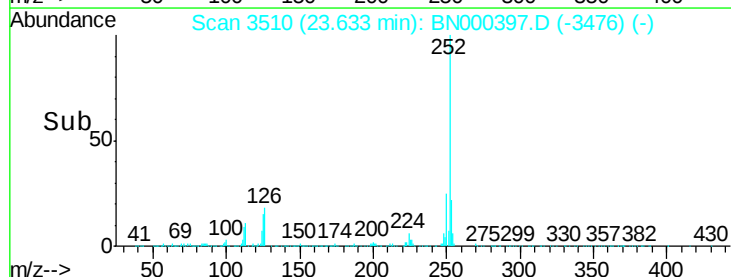
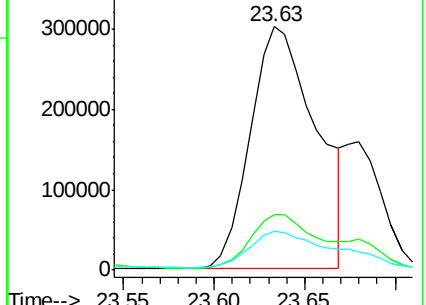
125 15.9 8.0 12.0#

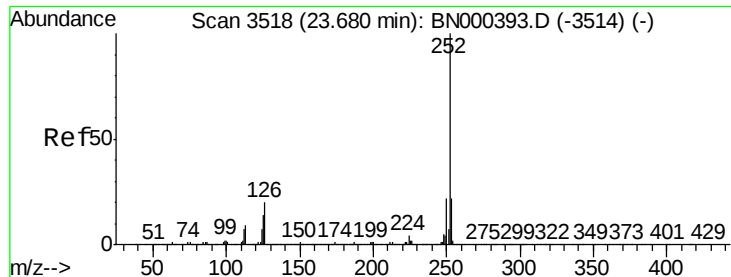


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 11.846 ng/ul

RT: 23.63 min Scan# 3510

Delta R.T. -0.05 min

Lab File: BN000397.D

Acq: 15 Mar 2018 04:26

Instrument :

BNA_N

ClientSampleId :

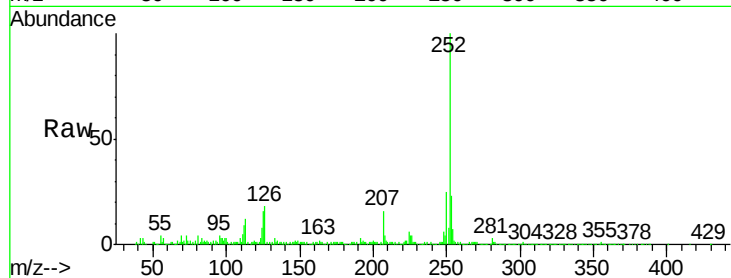
Tot Ion:252 Resp: 761479

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

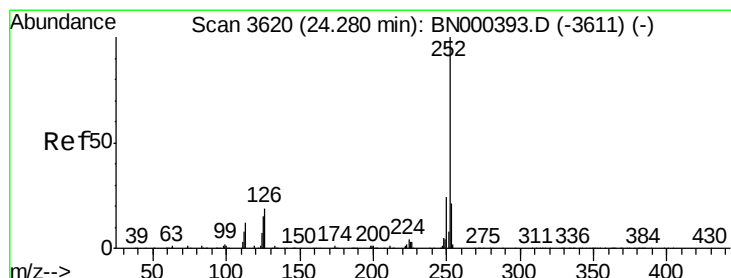
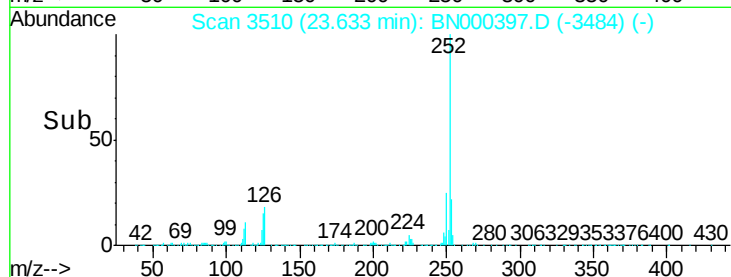
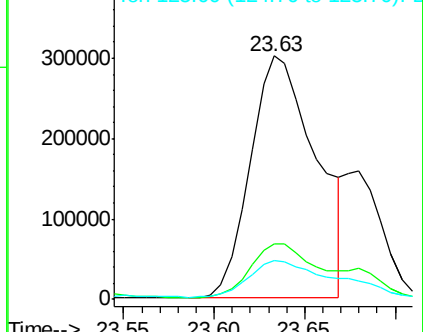
125 15.9 8.1 12.1#



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: 7.653 ng/ul

RT: 24.29 min Scan# 3621

Delta R.T. 0.01 min

Lab File: BN000397.D

Acq: 15 Mar 2018 04:26

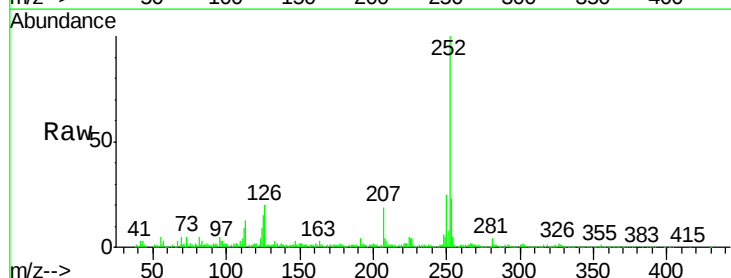
Tgt Ion:252 Resp: 500189

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

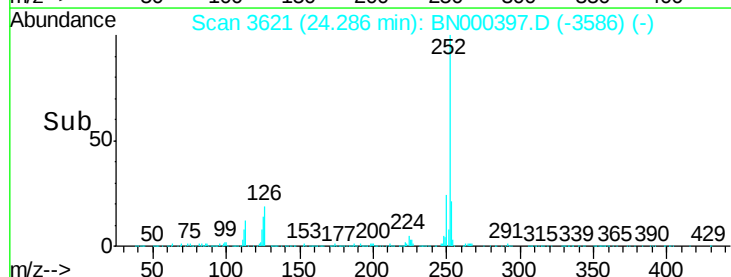
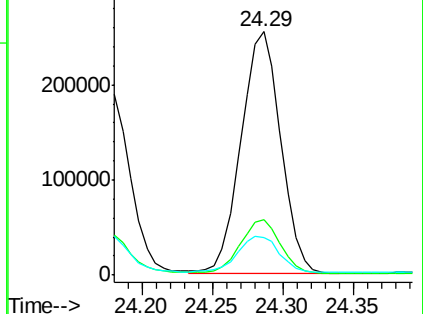
125 15.5 8.2 12.4#

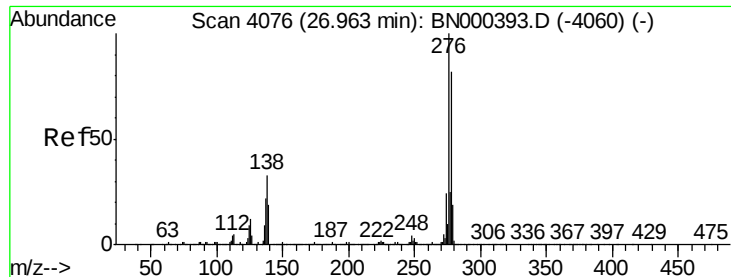


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

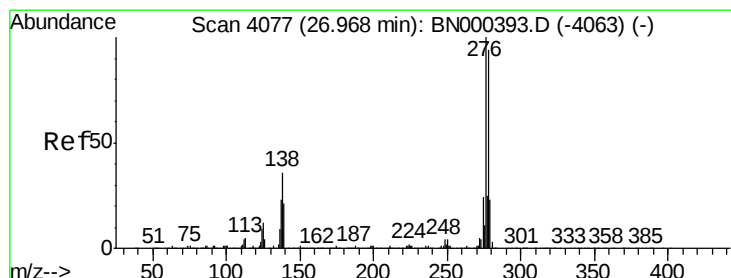
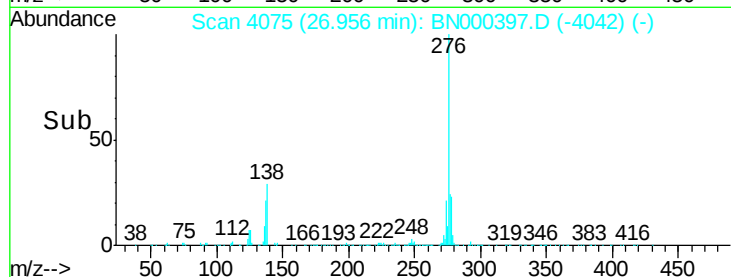
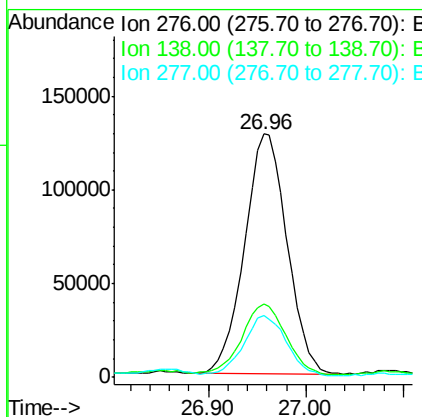
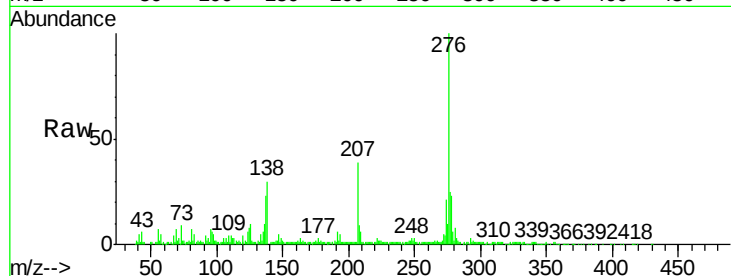




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 5.518 ng/ul
 RT: 26.96 min Scan# 4075
 Delta R.T. -0.01 min
 Lab File: BN000397.D
 Acq: 15 Mar 2018 04:26

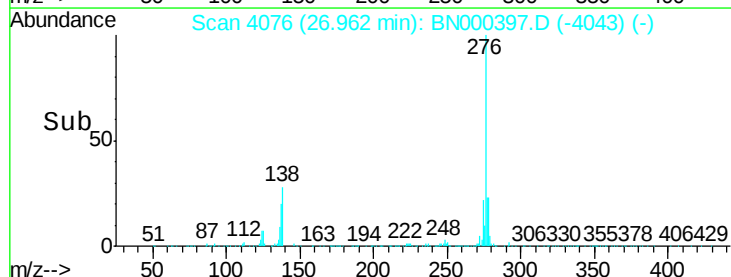
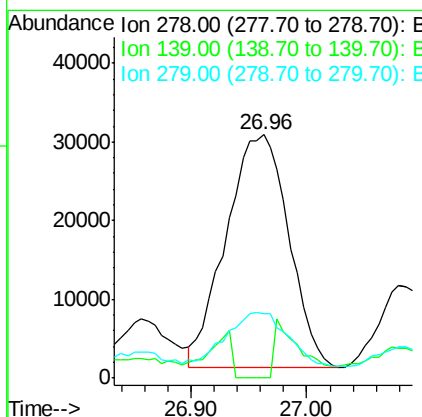
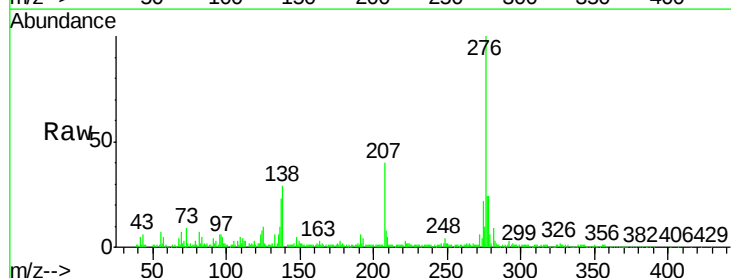
Instrument :
 BNA_N
 ClientSampleId :

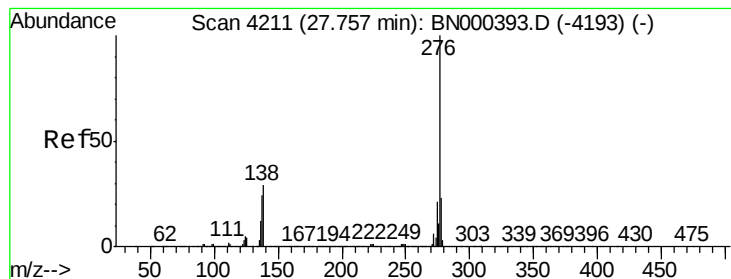
Tot Ion:276 Resp: 388827
 Ion Ratio Lower Upper
 276 100
 138 30.2 14.4 21.6#
 277 25.4 18.0 27.0



#28
 Dibenzo(a,h)anthracene
 Concen: 1.925 ng/ul
 RT: 26.96 min Scan# 4076
 Delta R.T. -0.01 min
 Lab File: BN000397.D
 Acq: 15 Mar 2018 04:26

Tgt Ion:278 Resp: 111202
 Ion Ratio Lower Upper
 278 100
 139 0.0 12.2 18.4#
 279 26.2 19.2 28.8





#29

Benzo(a,h,i)perylene

Concen: 6.179 ng/ul

RT: 27.76 min Scan# 4211

Delta R.T. -0.00 min

Lab File: BN000397.D

Acq: 15 Mar 2018 04:26

Instrument :

BNA_N

ClientSampleId :

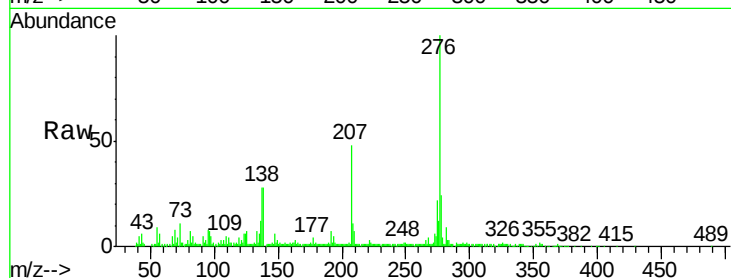
Tot Ion: 276 Resp: 363576

Ion Ratio Lower Upper

276 100

138 28.1 15.3 22.9#

277 23.7 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

