

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042418\
 Data File : BN000881.D
 Acq On : 25 Apr 2018 08:58
 Operator : JU/SJ
 Sample : J2444-13
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 25 11:06:40 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Apr 25 08:30:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	163480	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	686956	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	336368	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	653753	20.00	ng/ul	0.00
17) Chrysene-d12	21.20	240	620398	20.00	ng/ul	0.00
22) Perylene-d12	23.40	264	664930	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	13.94	160	863187	26.72	ng/ul	0.00
10) Fluorene-d10	15.25	176	591752	27.44	ng/ul	0.00
14) Anthracene-d10	17.10	188	823694	27.55	ng/ul	0.00
18) Pyrene-d10	19.40	212	863037	27.15	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.26	264	951639	30.30	ng/ul	0.00

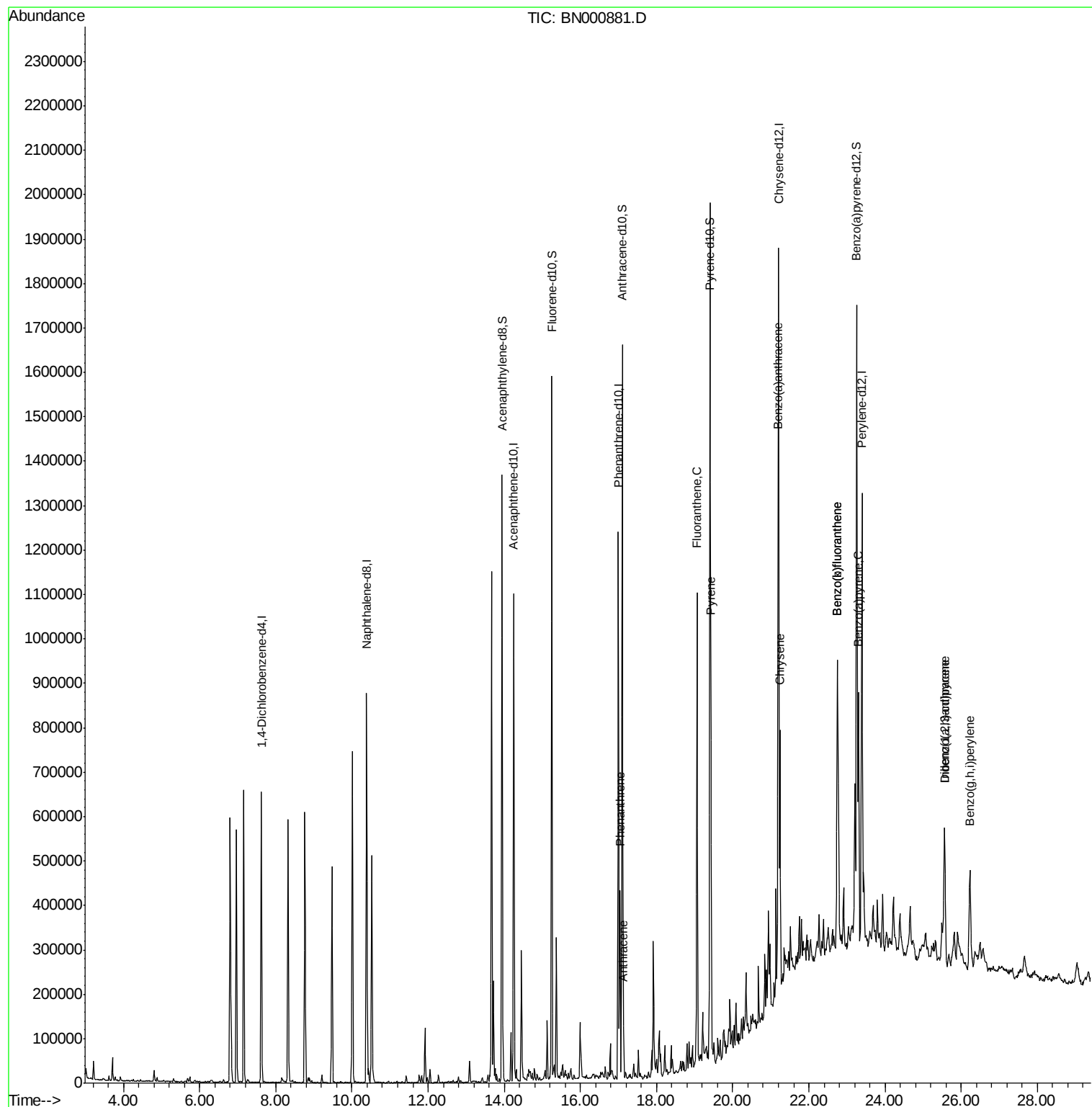
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	17.04	178	222296	6.234	ng/ul	99
15) Anthracene	17.13	178	62727	1.754	ng/ul	97
16) Fluoranthene	19.06	202	584575	16.159	ng/ul#	94
19) Pyrene	19.43	202	486526	12.209	ng/ul#	89
20) Benzo(a)anthracene	21.19	228	324195	8.742	ng/ul	97
21) Chrysene	21.24	228	278575	7.992	ng/ul	98
23) Benzo(b)fluoranthene	22.74	252	505364	13.374	ng/ul#	96
24) Benzo(k)fluoranthene	22.74	252	468376	12.667	ng/ul#	96
26) Benzo(a)pyrene	23.30	252	311601	8.628	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	25.56	276	254055	5.824	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.57	278	68502	1.884	ng/ul#	79
29) Benzo(g,h,i)perylene	26.23	276	231901	6.357	ng/ul#	95

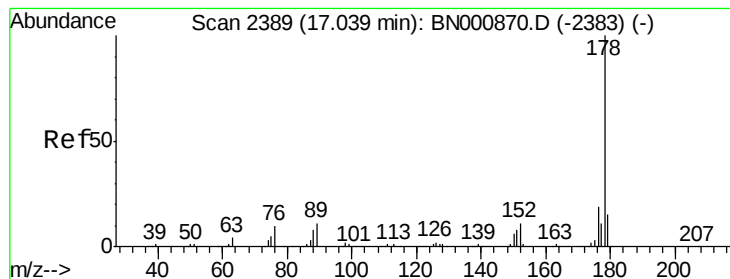
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 6.234 ng/ul

RT: 17.04 min Scan# 2389

Delta R.T. -0.00 min

Lab File: BN000881.D

Acq: 25 Apr 2018 08:58

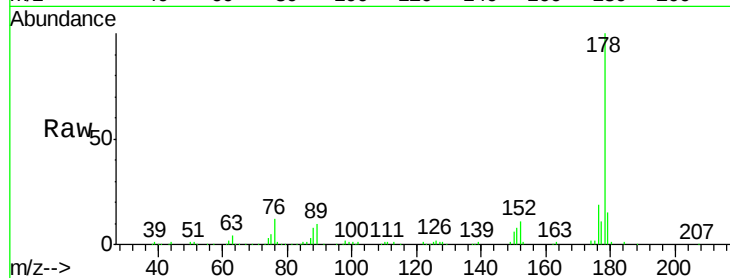
Instrument :

BNA_N

ClientSampled :

Tot Ion:178 Resp: 222296

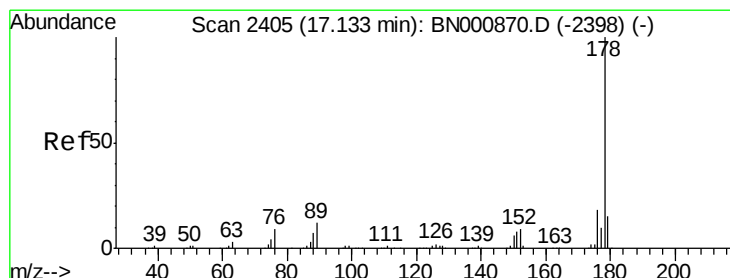
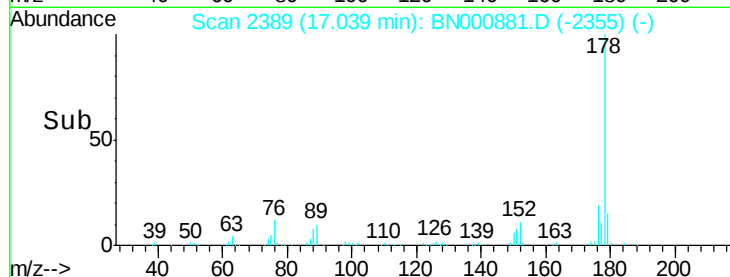
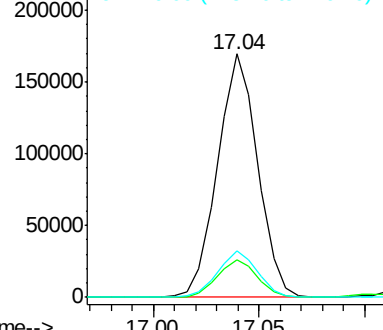
Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.3	18.5
176	19.3	15.1	22.7



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: 1.754 ng/ul

RT: 17.13 min Scan# 2405

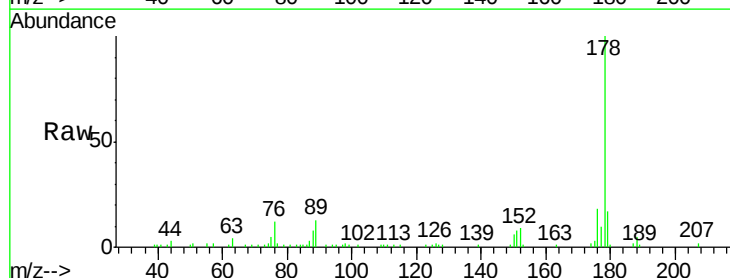
Delta R.T. -0.00 min

Lab File: BN000881.D

Acq: 25 Apr 2018 08:58

Tgt Ion:178 Resp: 62727

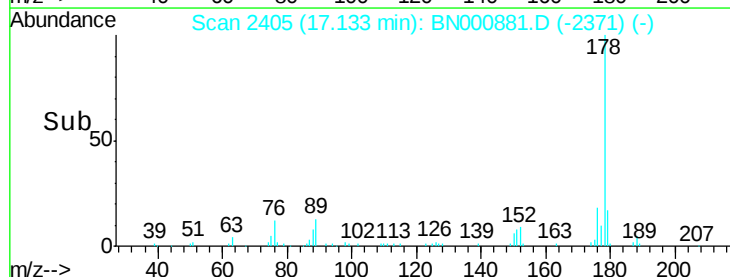
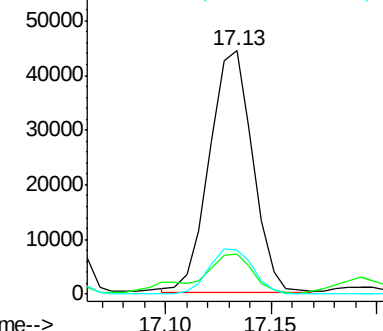
Ion	Ratio	Lower	Upper
178	100		
179	16.5	11.8	17.8
176	18.3	15.2	22.8

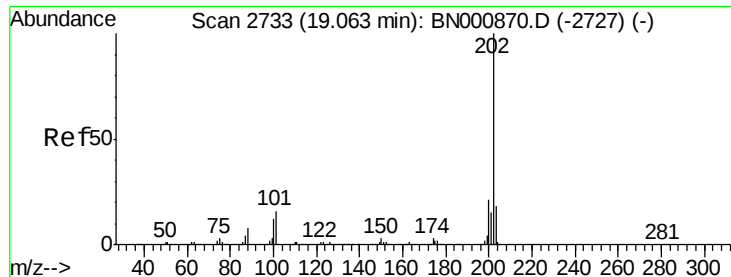


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

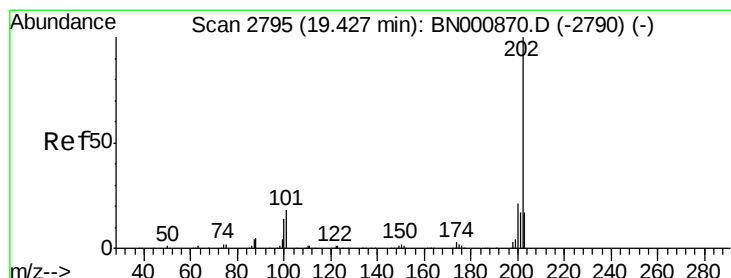
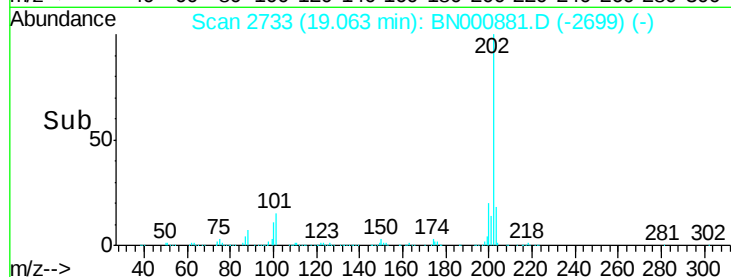
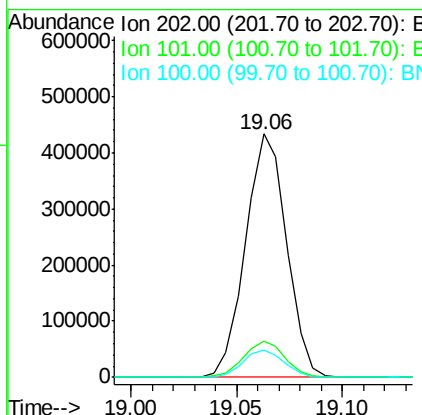
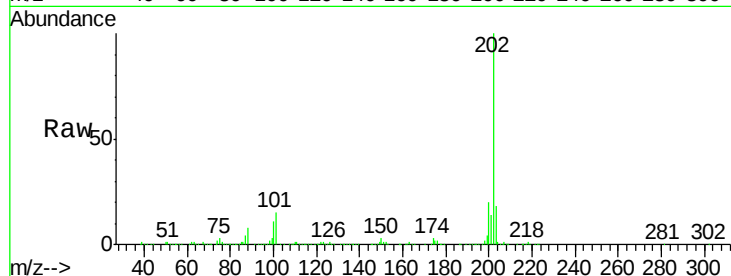




#16
 Fluoranthene
 Concen: 16.159 ng/ul
 RT: 19.06 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: BN000881.D
 Acq: 25 Apr 2018 08:58

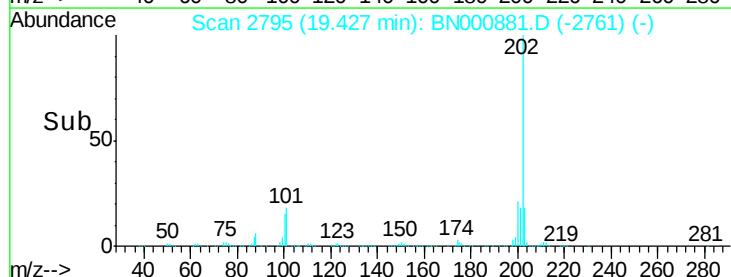
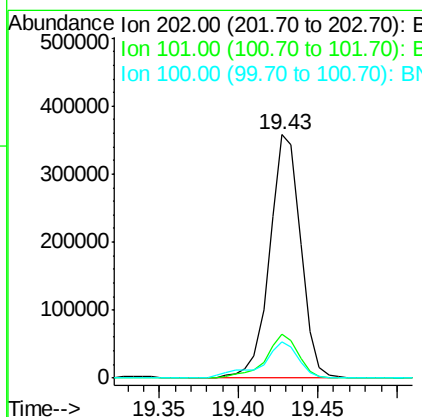
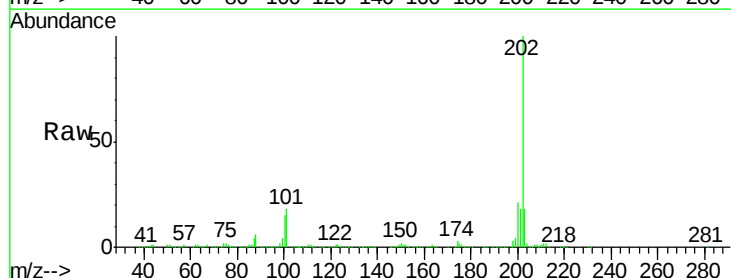
Instrument :
 BNA_N
 ClientSampleID :

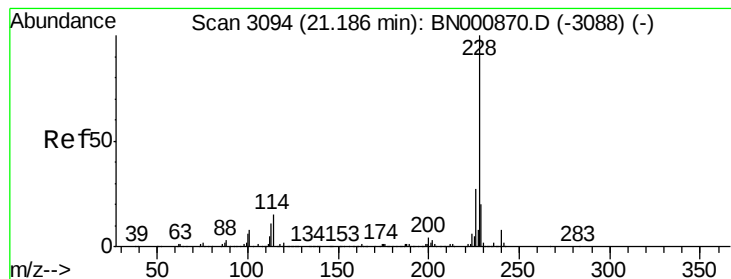
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.8	9.9	14.9
100	11.2	7.4	11.0



#19
 Pyrene
 Concen: 12.209 ng/ul
 RT: 19.43 min Scan# 2795
 Delta R.T. -0.00 min
 Lab File: BN000881.D
 Acq: 25 Apr 2018 08:58

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.9	11.0	16.4
100	14.7	8.1	12.1





#20

Benzo(a)anthracene

Concen: 8.742 ng/ul

RT: 21.19 min Scan# 3094

Delta R.T. -0.00 min

Lab File: BN000881.D

Acq: 25 Apr 2018 08:58

Instrument :

BNA_N

ClientSampleId :

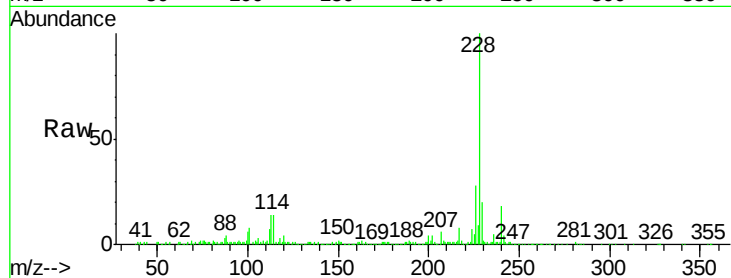
Tot Ion:228 Resp: 324195

Ion Ratio Lower Upper

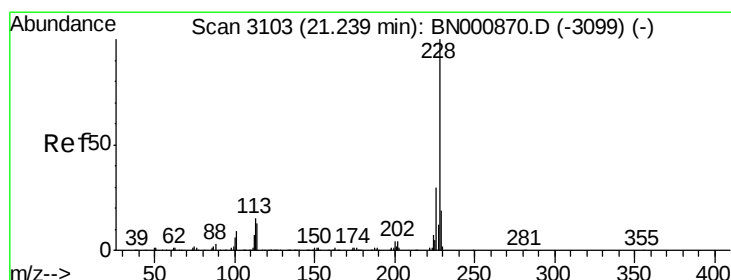
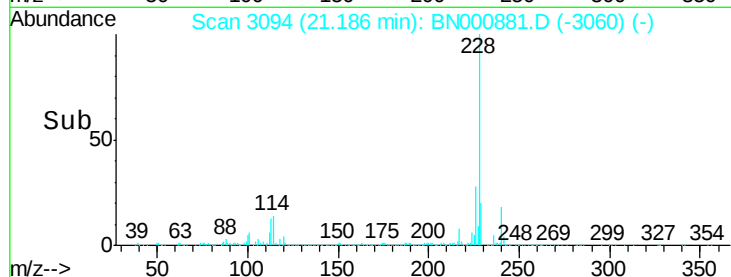
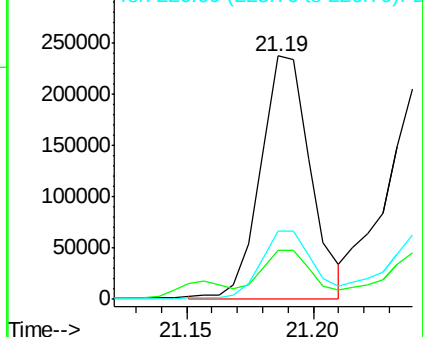
228 100

229 20.3 15.7 23.5

226 28.1 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: 7.992 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.00 min

Lab File: BN000881.D

Acq: 25 Apr 2018 08:58

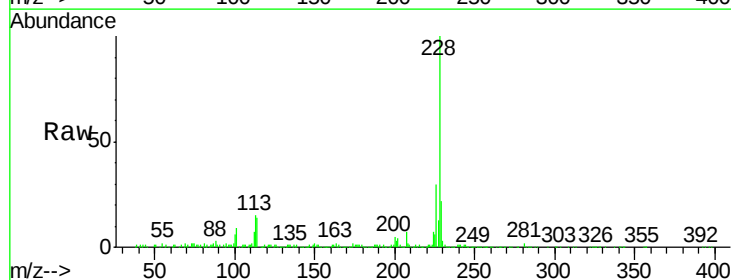
Tgt Ion:228 Resp: 278575

Ion Ratio Lower Upper

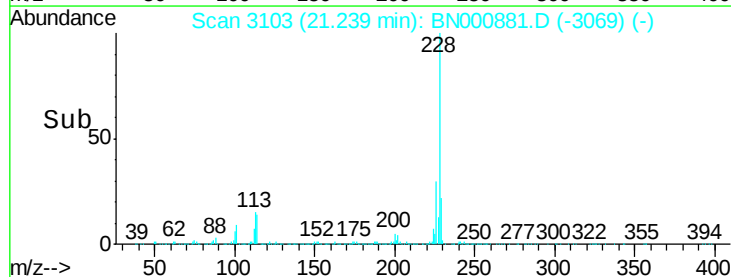
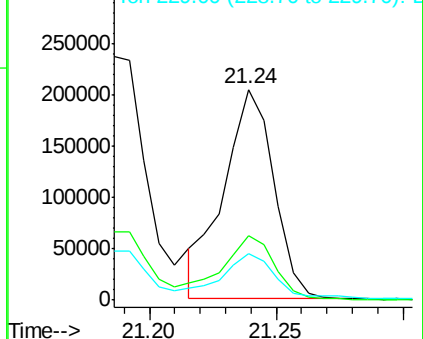
228 100

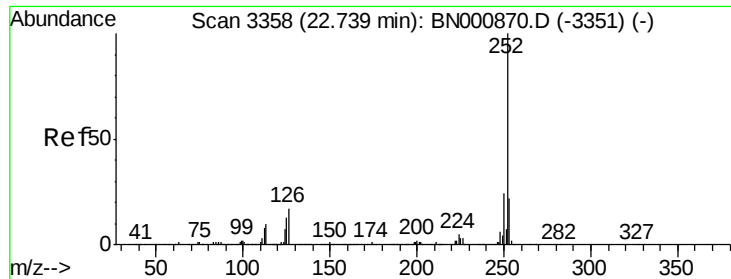
226 30.4 24.5 36.7

229 22.3 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: 13.374 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. 0.01 min

Lab File: BN000881.D

Acq: 25 Apr 2018 08:58

Instrument :

BNA_N

ClientSampleId :

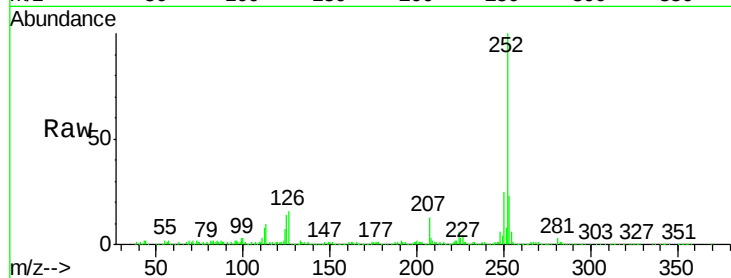
Tot Ion:252 Resp: 505364

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

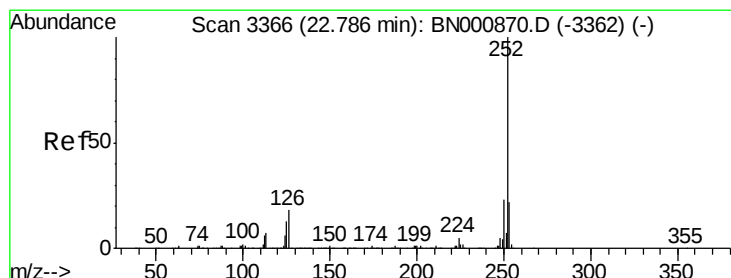
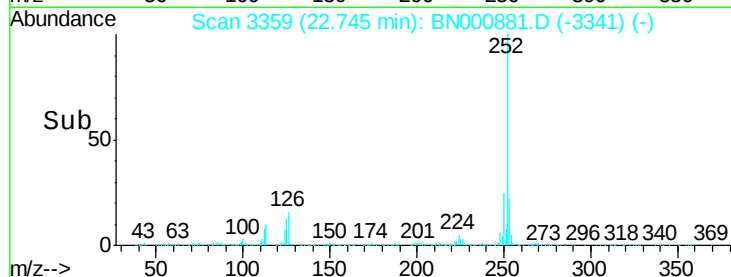
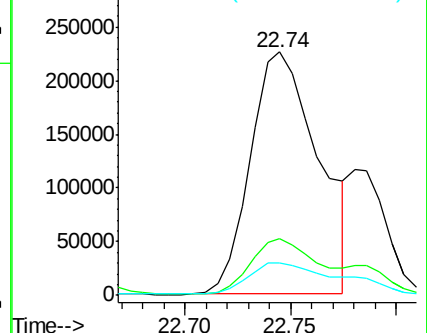
125 13.6 8.0 12.0#



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: 12.667 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. -0.04 min

Lab File: BN000881.D

Acq: 25 Apr 2018 08:58

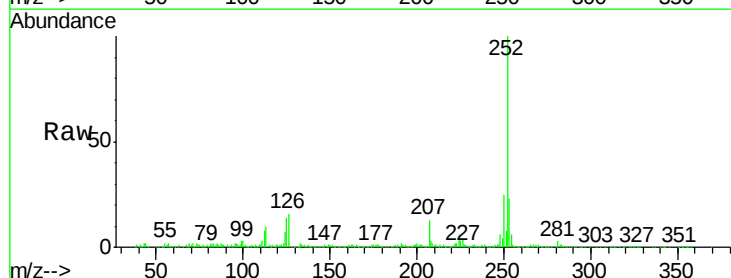
Tgt Ion:252 Resp: 468376

Ion Ratio Lower Upper

252 100

253 23.2 18.0 27.0

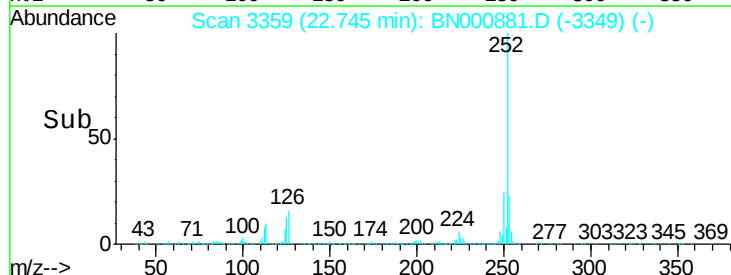
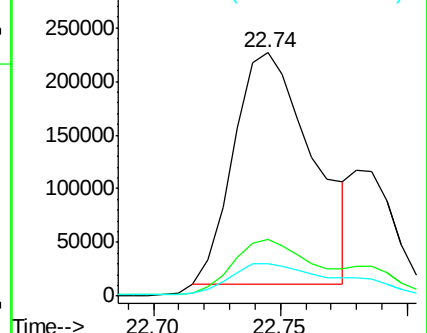
125 13.6 8.1 12.1#

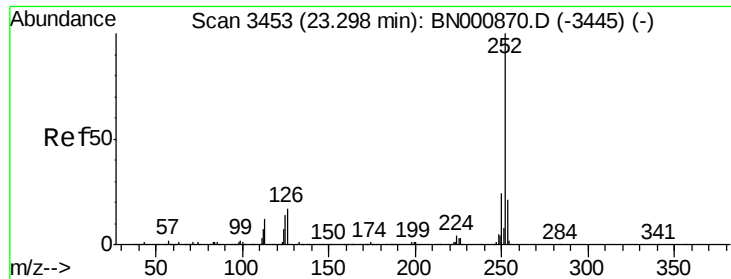


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

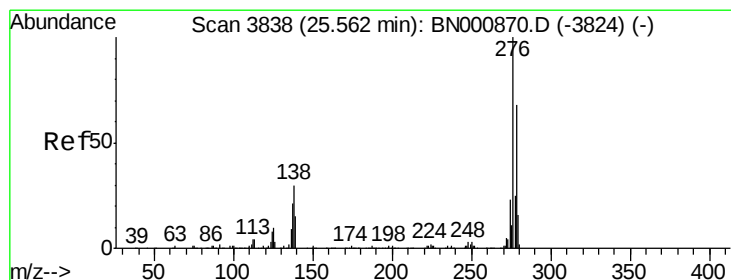
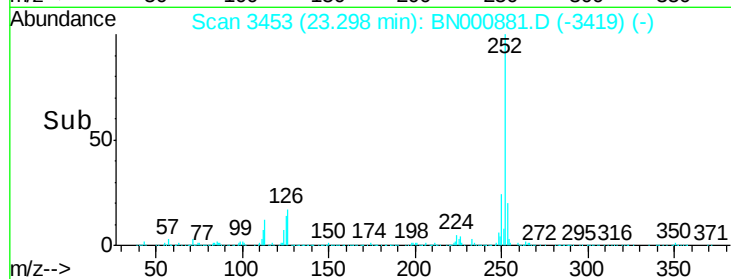
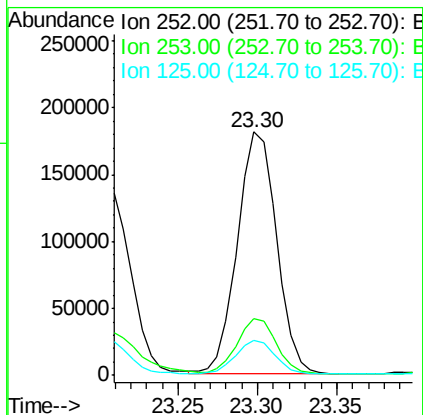
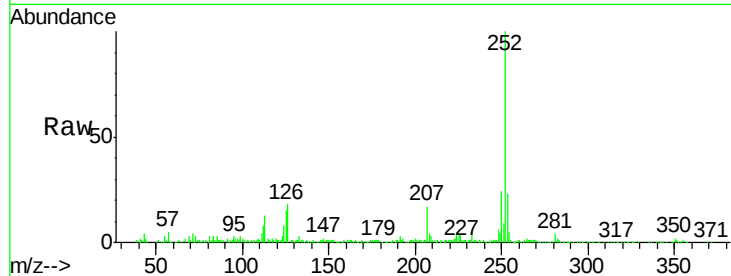




#26
Benzo(a)pyrene
Concen: 8.628 ng/ul
RT: 23.30 min Scan# 3453
Delta R.T. -0.00 min
Lab File: BN000881.D
Acq: 25 Apr 2018 08:58

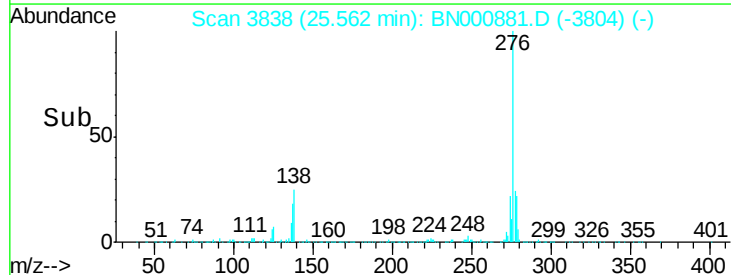
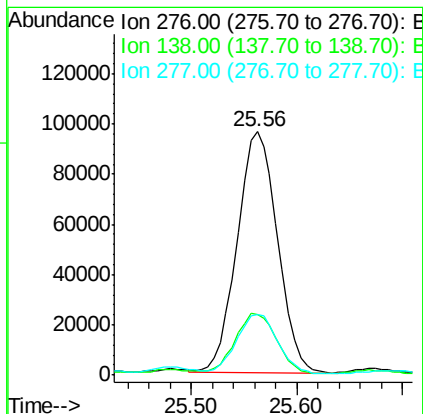
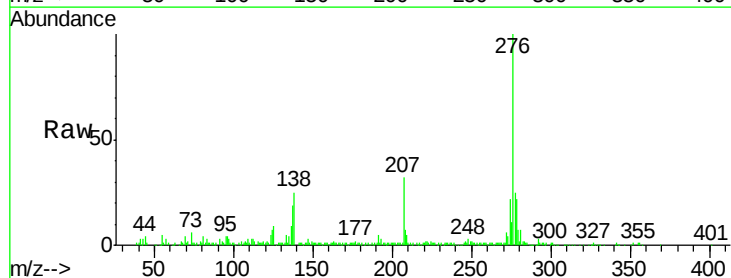
Instrument :
BNA_N
ClientSampled :

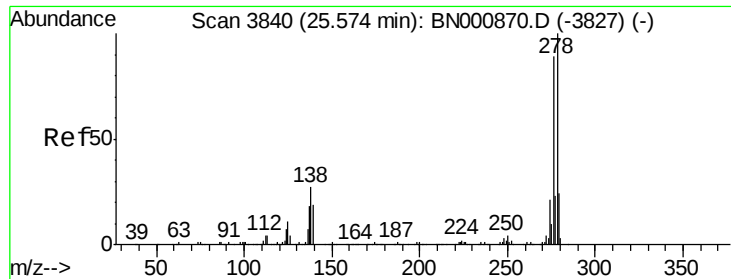
Tot Ion:252 Resp: 311601
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 14.6 8.2 12.4#



#27
Indeno(1,2,3-cd)pyrene
Concen: 5.824 ng/ul
RT: 25.56 min Scan# 3838
Delta R.T. -0.00 min
Lab File: BN000881.D
Acq: 25 Apr 2018 08:58

Tgt Ion:276 Resp: 254055
Ion Ratio Lower Upper
276 100
138 24.9 14.4 21.6#
277 24.7 18.0 27.0





#28

Dibenzo(a,h)anthracene

Concen: 1.884 ng/ul

RT: 25.57 min Scan# 3839

Delta R.T. -0.01 min

Lab File: BN000881.D

Acq: 25 Apr 2018 08:58

Instrument :

BNA_N

ClientSampleId :

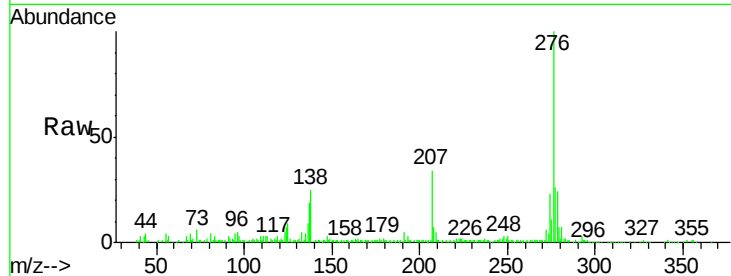
Tot Ion:278 Resp: 68502

Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

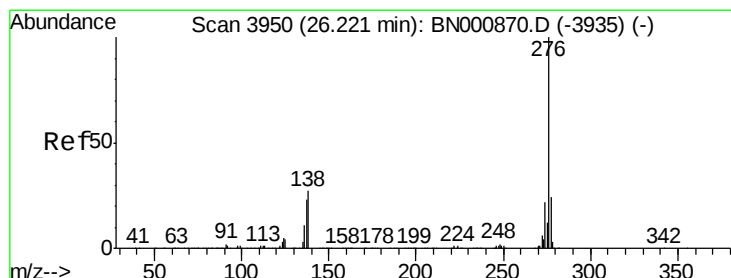
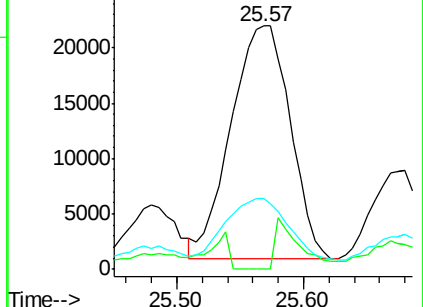
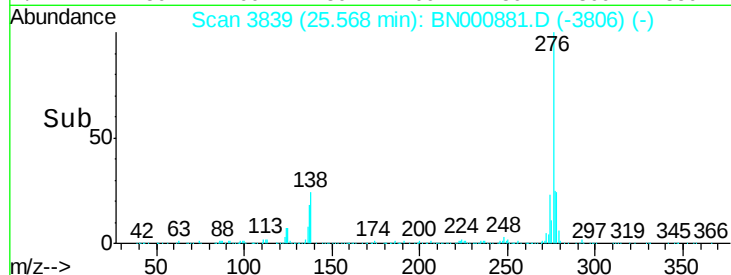
279 29.1 19.2 28.8#



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



#29

Benzo(g,h,i)perylene

Concen: 6.357 ng/ul

RT: 26.23 min Scan# 3951

Delta R.T. 0.01 min

Lab File: BN000881.D

Acq: 25 Apr 2018 08:58

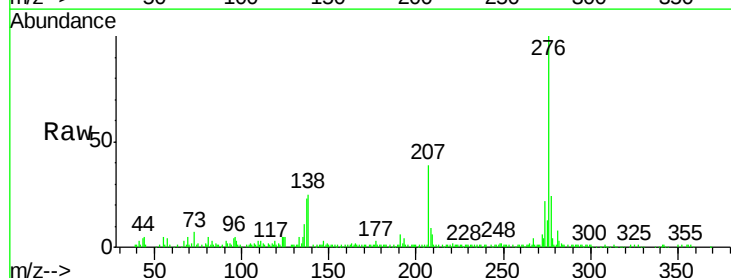
Tgt Ion:276 Resp: 231901

Ion Ratio Lower Upper

276 100

138 24.6 15.3 22.9#

277 23.6 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

