

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042718\
 Data File : BN000987.D
 Acq On : 28 Apr 2018 05:54
 Operator : JU/SJ
 Sample : J2274-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 28 06:48:40 2018
 Quant Method : Z:\HPCHEM1\BNA N\Methods\SOM-EPA-BN041918-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Apr 28 03:58:06 2018
 Response via : Initial Calibration

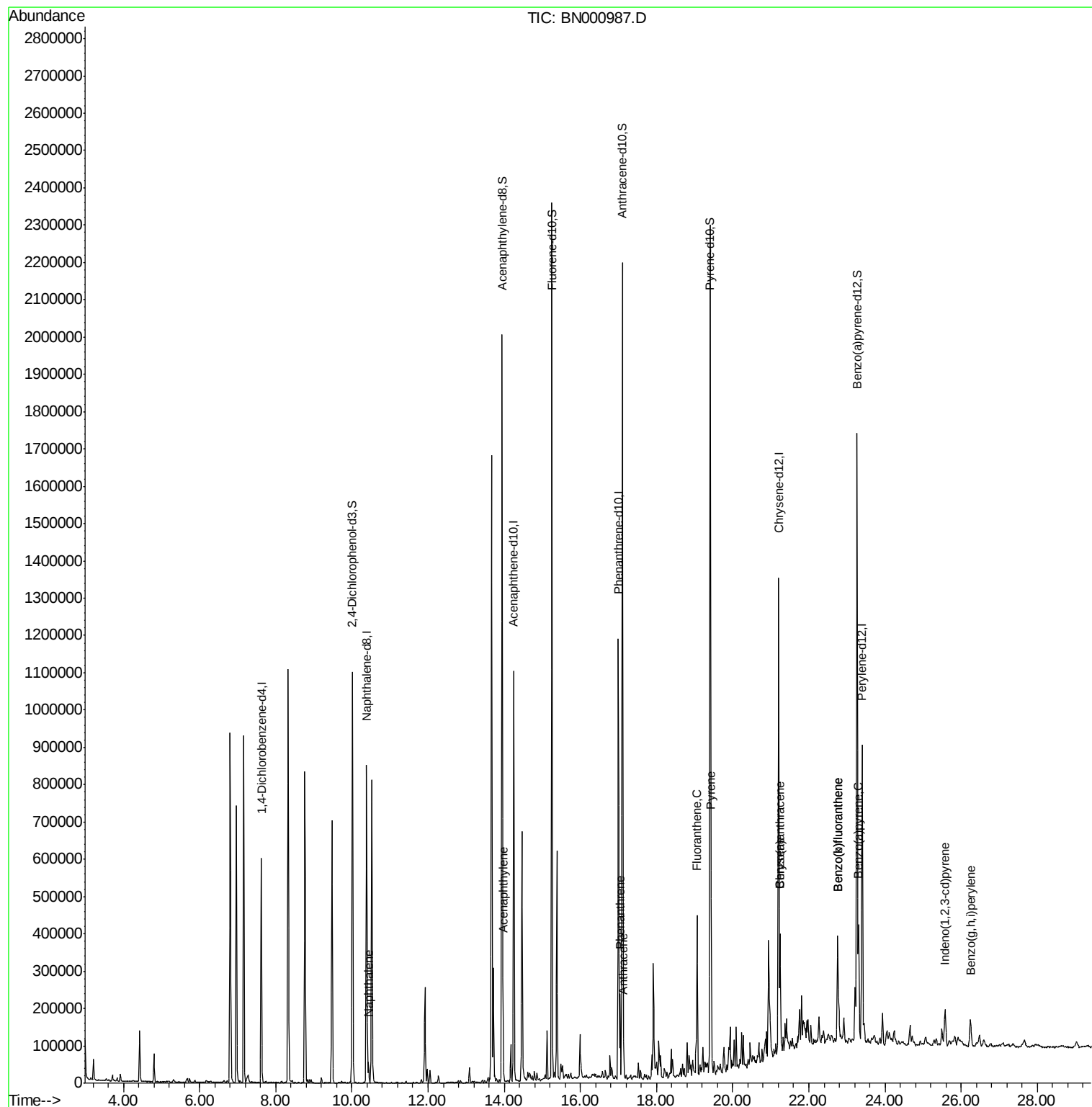
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	151954	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	664673	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	338903	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	638588	20.00	ng/ul	0.00
18) Chrysene-d12	21.21	240	484754	20.00	ng/ul	0.00
23) Perylene-d12	23.40	264	505802	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.01	165	377739	39.94	ng/ul	0.00
7) Acenaphthylene-d8	13.95	160	1260339	38.64	ng/ul	0.00
10) Fluorene-d10	15.25	176	853353	39.04	ng/ul	0.00
15) Anthracene-d10	17.10	188	1143295	38.72	ng/ul	0.00
19) Pyrene-d10	19.40	212	1075033	44.07	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.27	264	1046792	43.89	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.43	128	44560	1.324	ng/ul	99
8) Acenaphthylene	13.97	152	51922	1.607	ng/ul	97
14) Phenanthrene	17.05	178	124063	3.556	ng/ul	99
16) Anthracene	17.13	178	52585	1.491	ng/ul	98
17) Fluoranthene	19.07	202	219078	6.387	ng/ul#	77
20) Pyrene	19.43	202	297586	9.696	ng/ul#	70
21) Benzo(a)anthracene	21.25	228	152506	5.281	ng/ul	94
22) Chrysene	21.25	228	152506	5.583	ng/ul	97
24) Benzo(b)fluoranthene	22.75	252	164104	5.609	ng/ul#	94
25) Benzo(k)fluoranthene	22.75	252	164104	5.811	ng/ul#	92
27) Benzo(a)pyrene	23.31	252	145124	5.184	ng/ul#	95
28) Indeno(1,2,3-cd)pyrene	25.58	276	80912	2.588	ng/ul#	87
30) Benzo(a,h,i)perylene	26.24	276	76250	2.945	ng/ul#	84

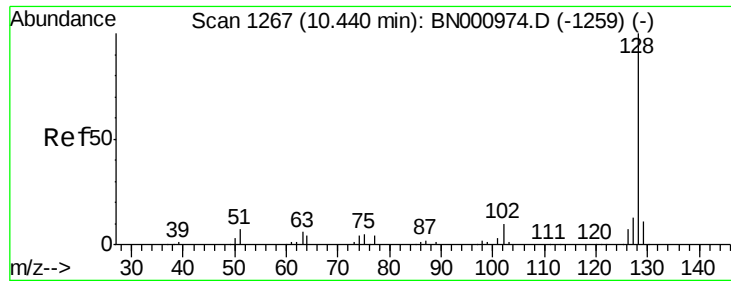
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 1.324 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BN000987.D

Acq: 28 Apr 2018 05:54

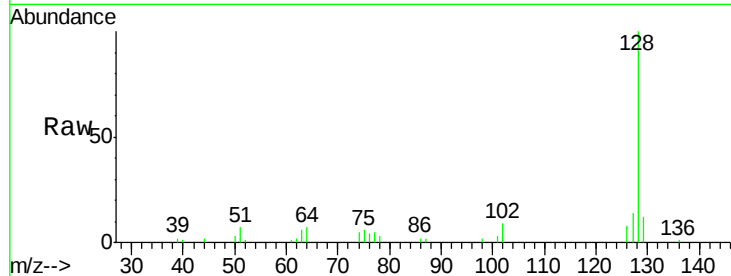
Instrument :

BNA_N

ClientSampleId :

Tot Ion:128 Resp: 44560

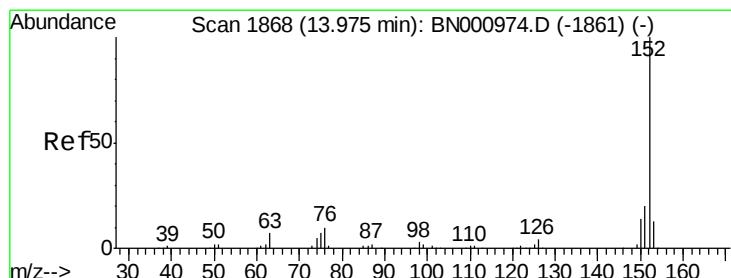
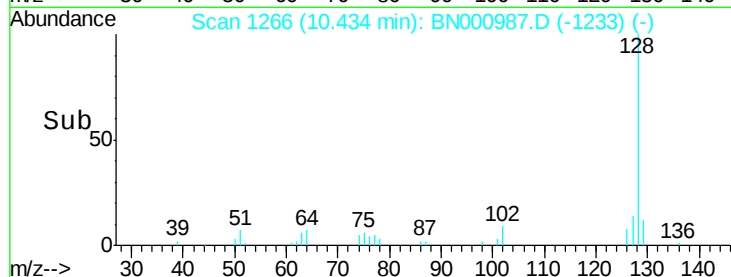
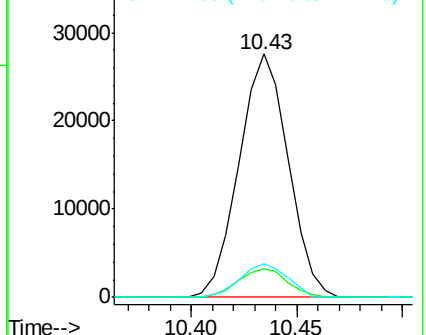
Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	13.9	10.6	16.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#8

Acenaphthylene

Concen: 1.607 ng/ul

RT: 13.97 min Scan# 1867

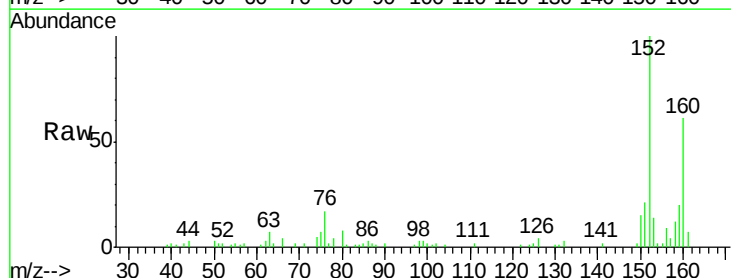
Delta R.T. -0.01 min

Lab File: BN000987.D

Acq: 28 Apr 2018 05:54

Tgt Ion:152 Resp: 51922

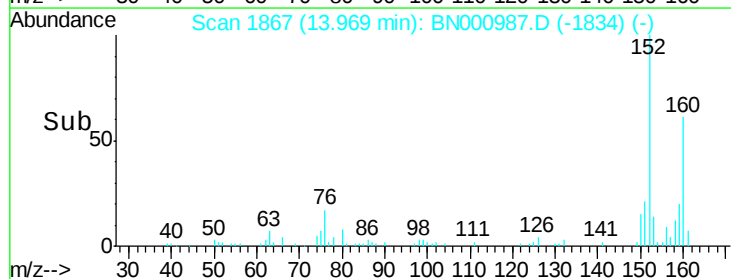
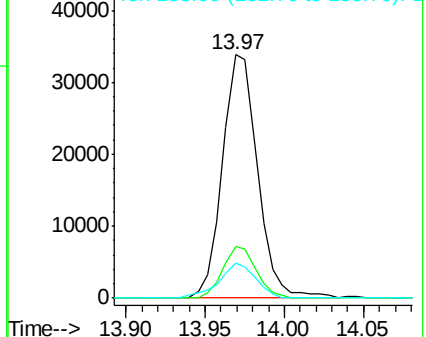
Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.3	24.5
153	14.4	10.2	15.4

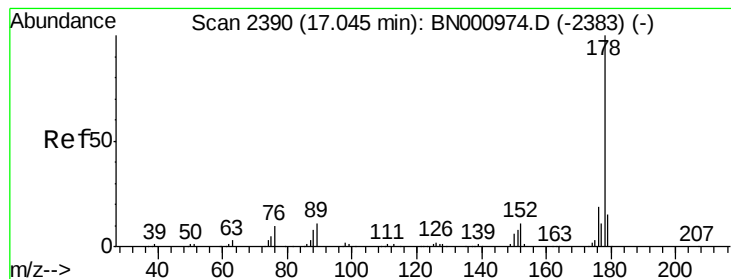


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#14

Phenanthrene

Concen: 3.556 ng/ul

RT: 17.05 min Scan# 2390

Delta R.T. 0.00 min

Lab File: BN000987.D

Acq: 28 Apr 2018 05:54

Instrument :

BNA_N

ClientSampleId :

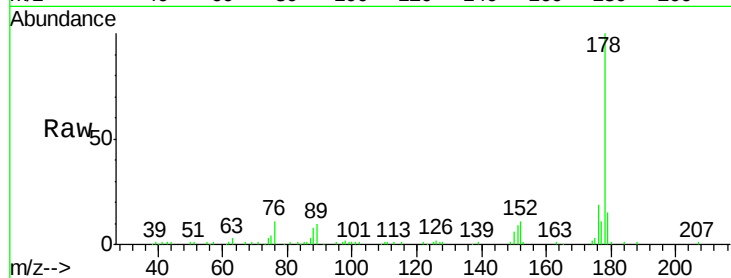
Tot Ion:178 Resp: 124063

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.6	19.0
176	18.6	14.9	22.3

178 100

179 14.9 12.6 19.0

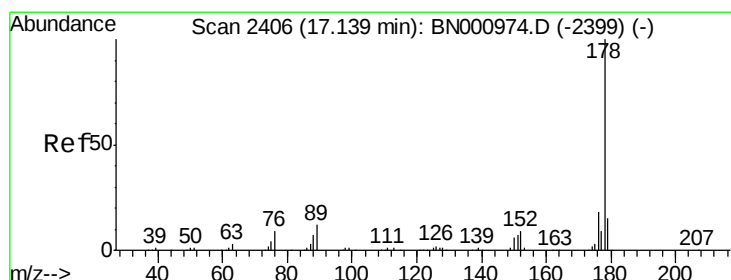
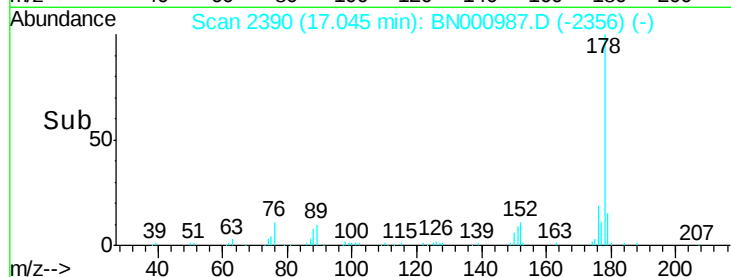
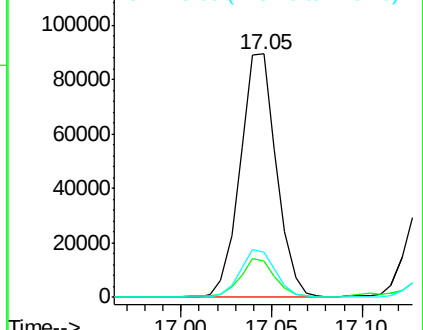
176 18.6 14.9 22.3



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

Anthracene

Concen: 1.491 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. -0.01 min

Lab File: BN000987.D

Acq: 28 Apr 2018 05:54

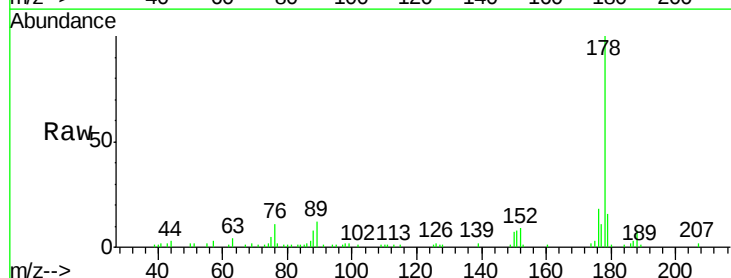
Tgt Ion:178 Resp: 52585

Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.7	17.5
176	18.3	14.6	21.8

178 100

179 16.0 11.7 17.5

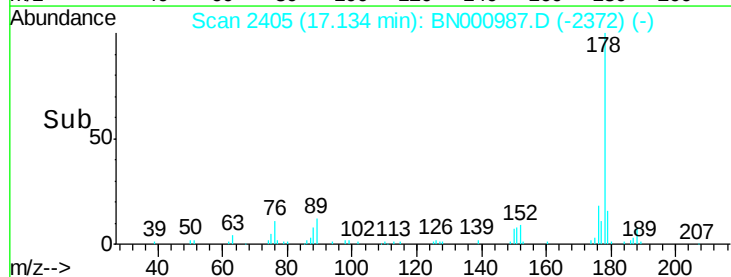
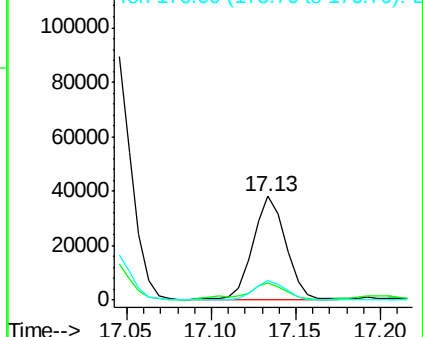
176 18.3 14.6 21.8

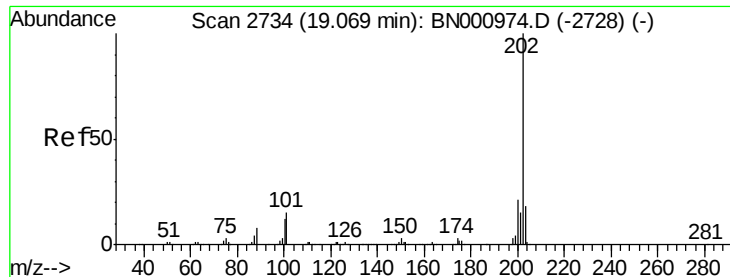


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

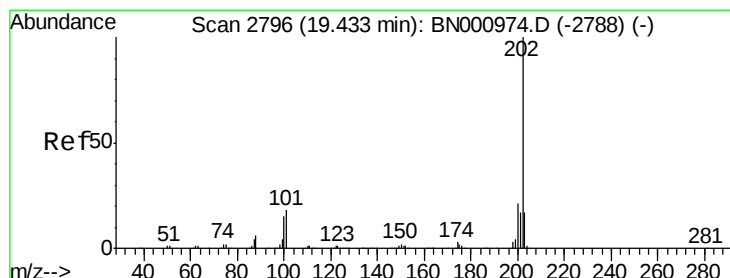
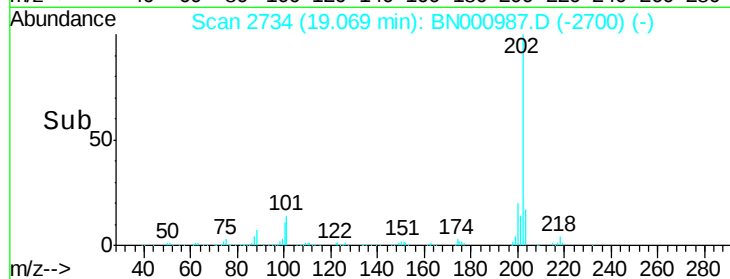
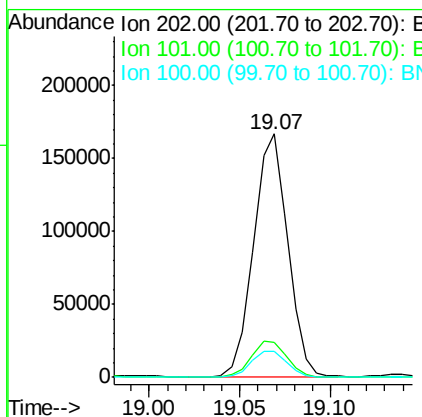
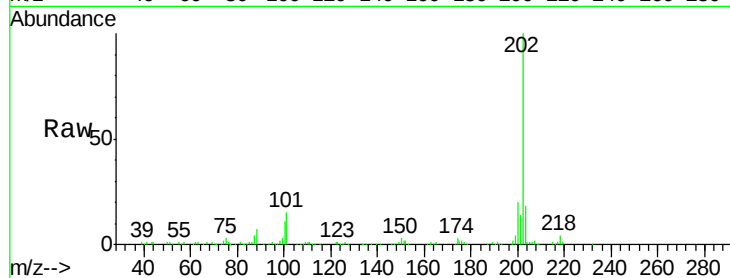




#17
Fluoranthene
 Concen: 6.387 ng/ul
 RT: 19.07 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: BN000987.D
 Acq: 28 Apr 2018 05:54

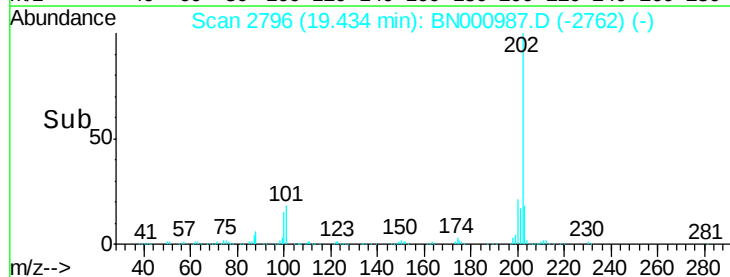
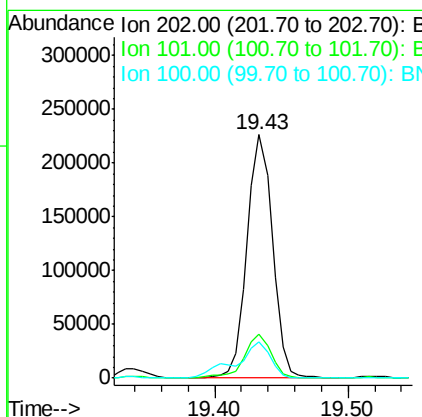
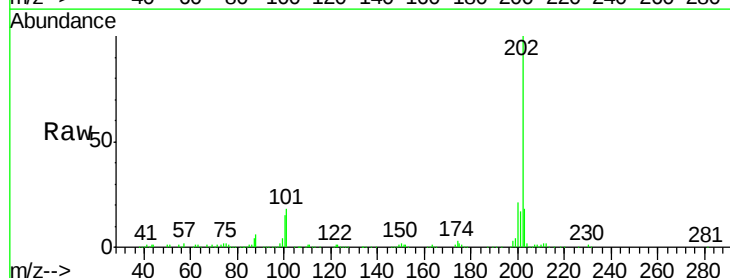
Instrument :
 BNA_N
 ClientSampled :

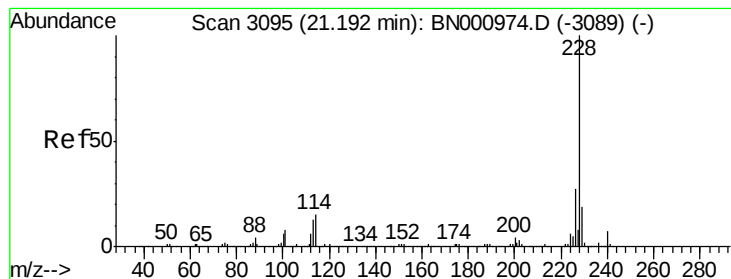
Tot Ion	Ratio	Lower	Upper
202	100		
101	14.6	4.6	7.0#
100	10.7	3.4	5.2#



#20
Pyrene
 Concen: 9.696 ng/ul
 RT: 19.43 min Scan# 2796
 Delta R.T. 0.00 min
 Lab File: BN000987.D
 Acq: 28 Apr 2018 05:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.0	5.1	7.7#
100	14.7	4.9	7.3#





#21

Benzo(a)anthracene

Concen: 5.281 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. 0.05 min

Lab File: BN000987.D

Acq: 28 Apr 2018 05:54

Instrument :

BNA_N

ClientSampleId :

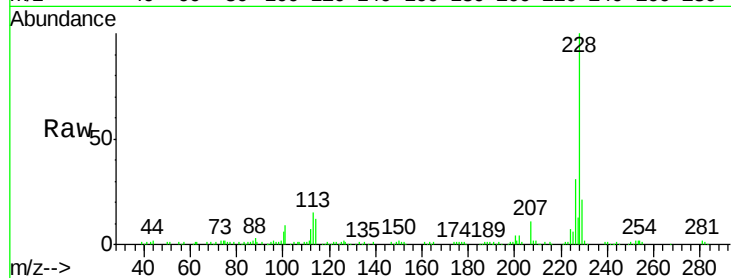
Tot Ion:228 Resp: 152506

Ion Ratio Lower Upper

228 100

229 20.7 15.4 23.0

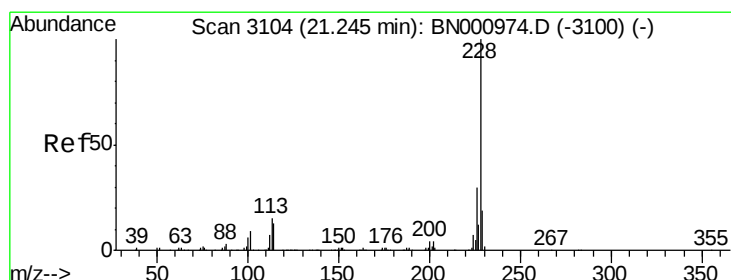
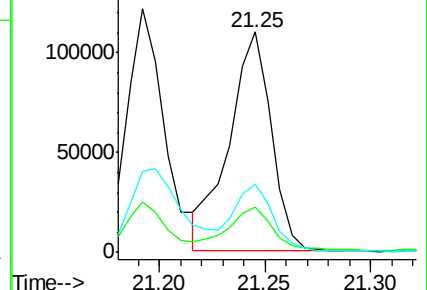
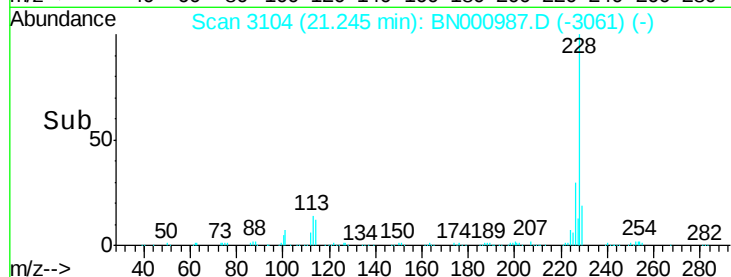
226 30.9 21.4 32.0



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



#22

Chrysene

Concen: 5.583 ng/ul

RT: 21.25 min Scan# 3104

Delta R.T. 0.00 min

Lab File: BN000987.D

Acq: 28 Apr 2018 05:54

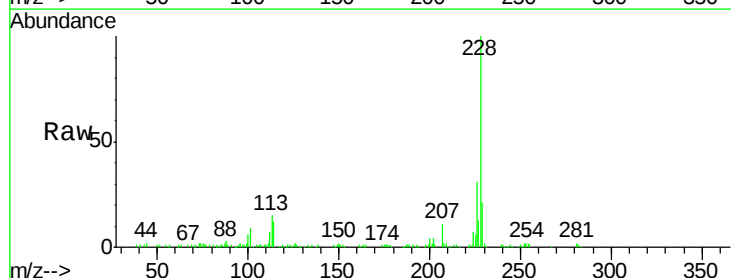
Tgt Ion:228 Resp: 152506

Ion Ratio Lower Upper

228 100

226 30.9 23.4 35.2

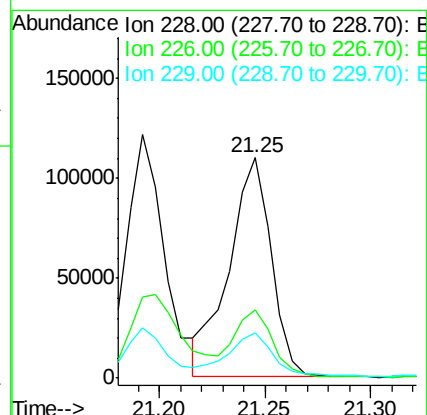
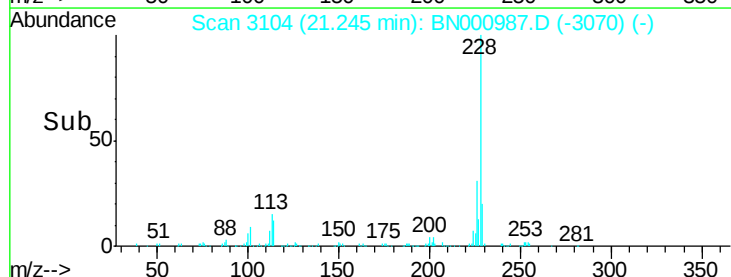
229 20.7 15.5 23.3

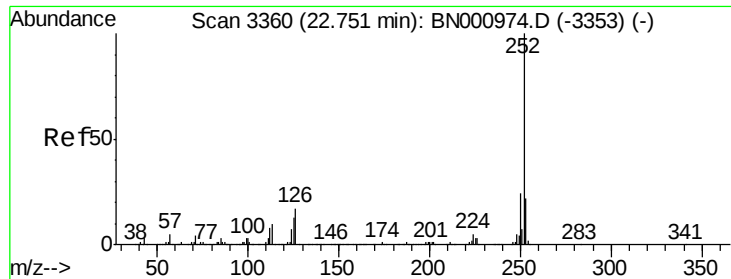


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#24

Benzo(b)fluoranthene

Concen: 5.609 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. 0.00 min

Lab File: BN000987.D

Acq: 28 Apr 2018 05:54

Instrument :

BNA_N

ClientSampled :

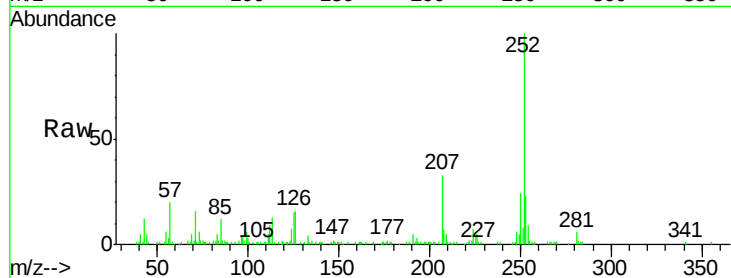
Tot Ion:252 Resp: 164104

Ion Ratio Lower Upper

252 100

253 22.9 17.9 26.9

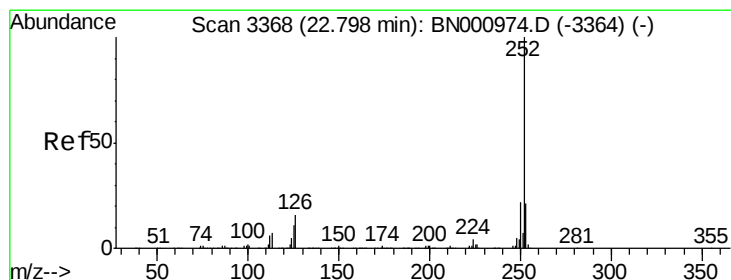
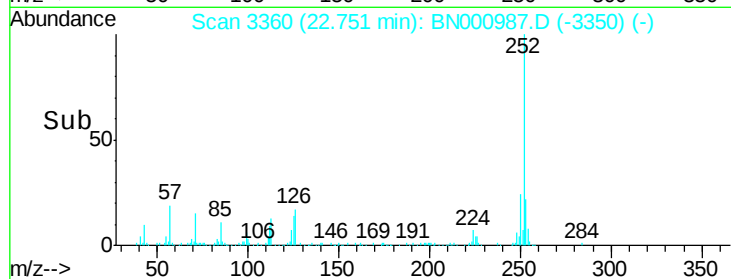
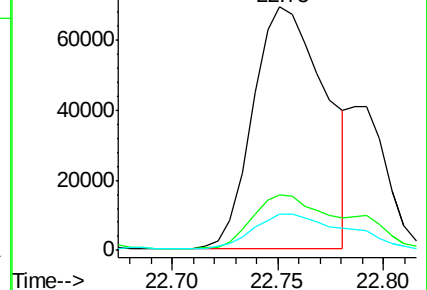
125 14.8 3.6 5.4#



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



#25

Benzo(k)fluoranthene

Concen: 5.811 ng/ul

RT: 22.75 min Scan# 3360

Delta R.T. -0.05 min

Lab File: BN000987.D

Acq: 28 Apr 2018 05:54

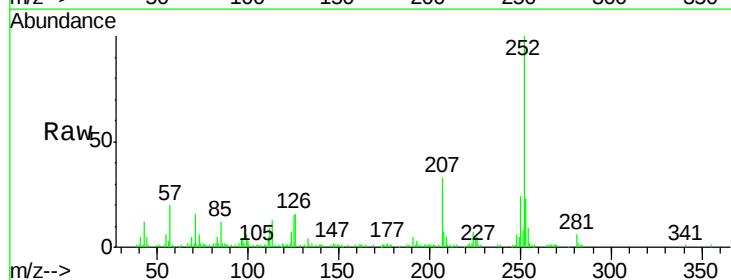
Tgt Ion:252 Resp: 164104

Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

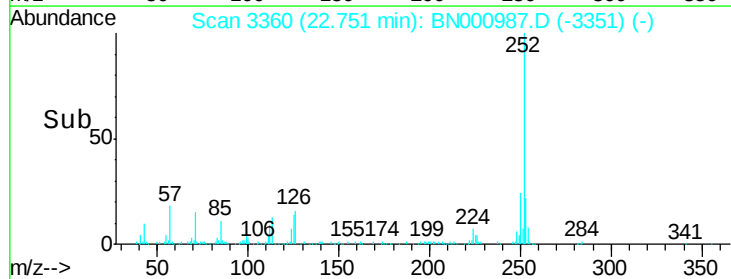
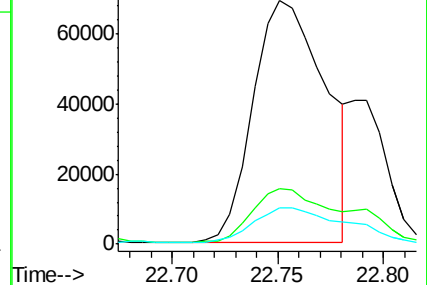
125 14.8 3.4 5.2#

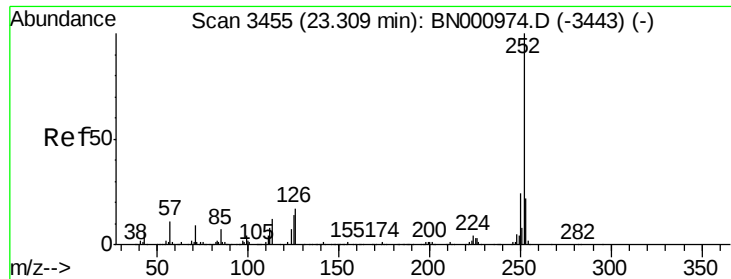


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

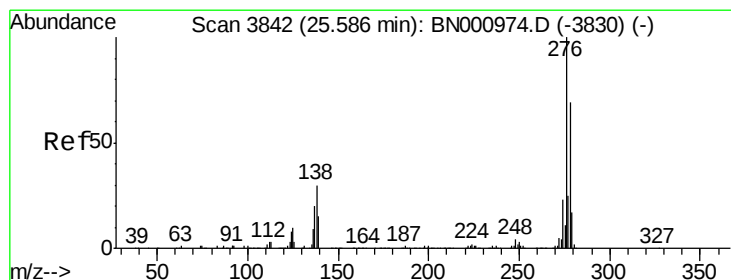
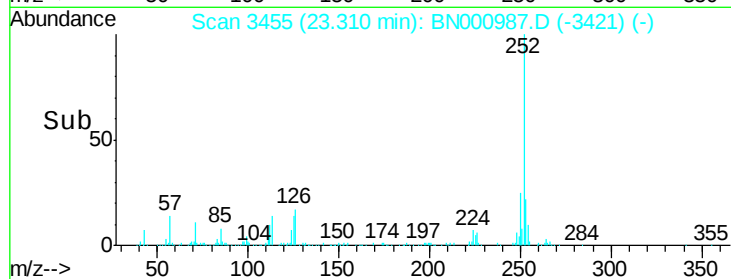
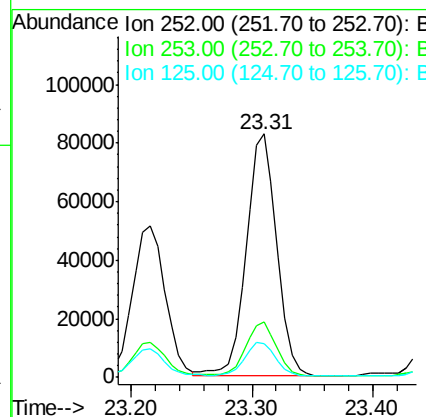
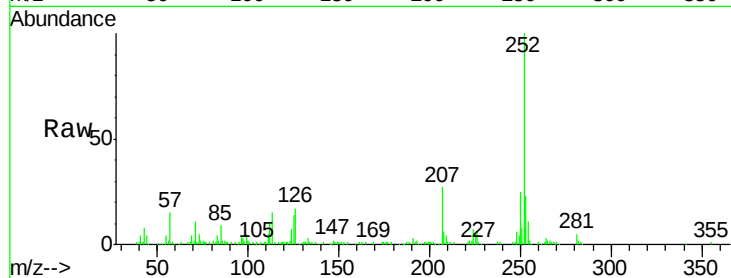




#27
Benzo(a)pyrene
Concen: 5.184 ng/ul
RT: 23.31 min Scan# 3455
Delta R.T. 0.00 min
Lab File: BN000987.D
Acq: 28 Apr 2018 05:54

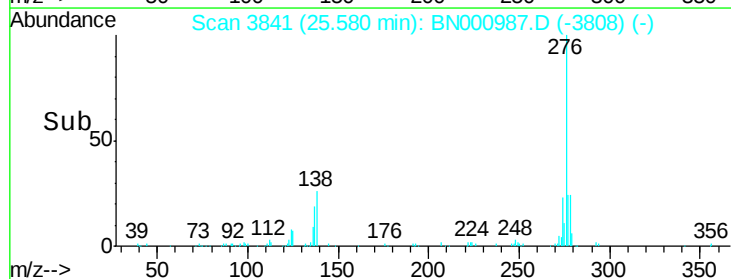
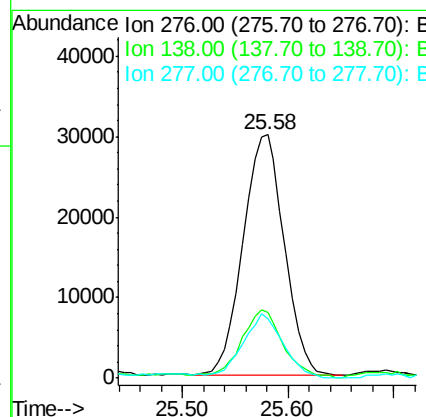
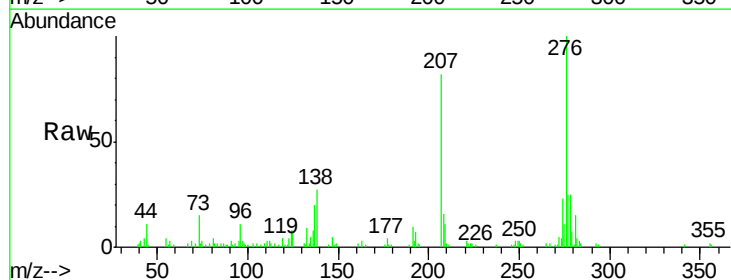
Instrument :
BNA_N
ClientSampleId :

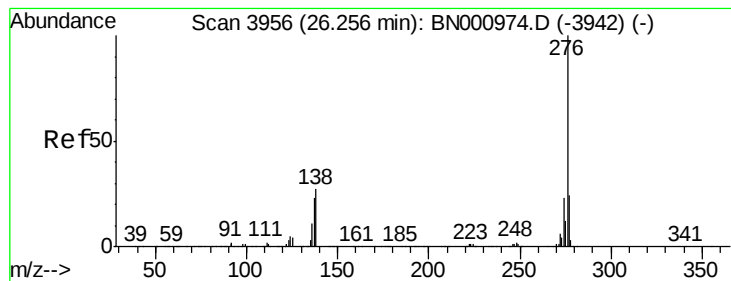
Tot Ion:252 Resp: 145124
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 14.0 4.0 6.0#



#28
Indeno(1,2,3-cd)pyrene
Concen: 2.588 ng/ul
RT: 25.58 min Scan# 3841
Delta R.T. -0.01 min
Lab File: BN000987.D
Acq: 28 Apr 2018 05:54

Tgt Ion:276 Resp: 80912
Ion Ratio Lower Upper
276 100
138 26.7 9.3 13.9#
277 24.6 19.9 29.9





#30

Benzo(a,h,i)perylene

Concen: 2.945 ng/ul

RT: 26.24 min Scan# 3954

Delta R.T. -0.01 min

Lab File: BN000987.D

Acq: 28 Apr 2018 05:54

Instrument :

BNA_N

ClientSampleId :

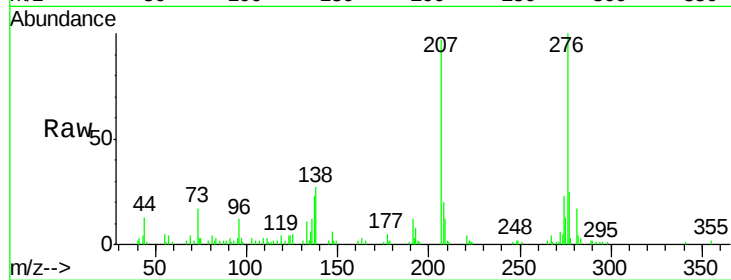
Tot Ion:276 Resp: 76250

Ion Ratio Lower Upper

276 100

138 26.8 8.5 12.7#

277 24.8 18.6 28.0



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

