

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042518\
 Data File : BN000908.D
 Acq On : 26 Apr 2018 01:02
 Operator : JU/SJ
 Sample : J2485-08
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 26 08:01:07 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 26 07:55:11 2018
 Response via : Initial Calibration

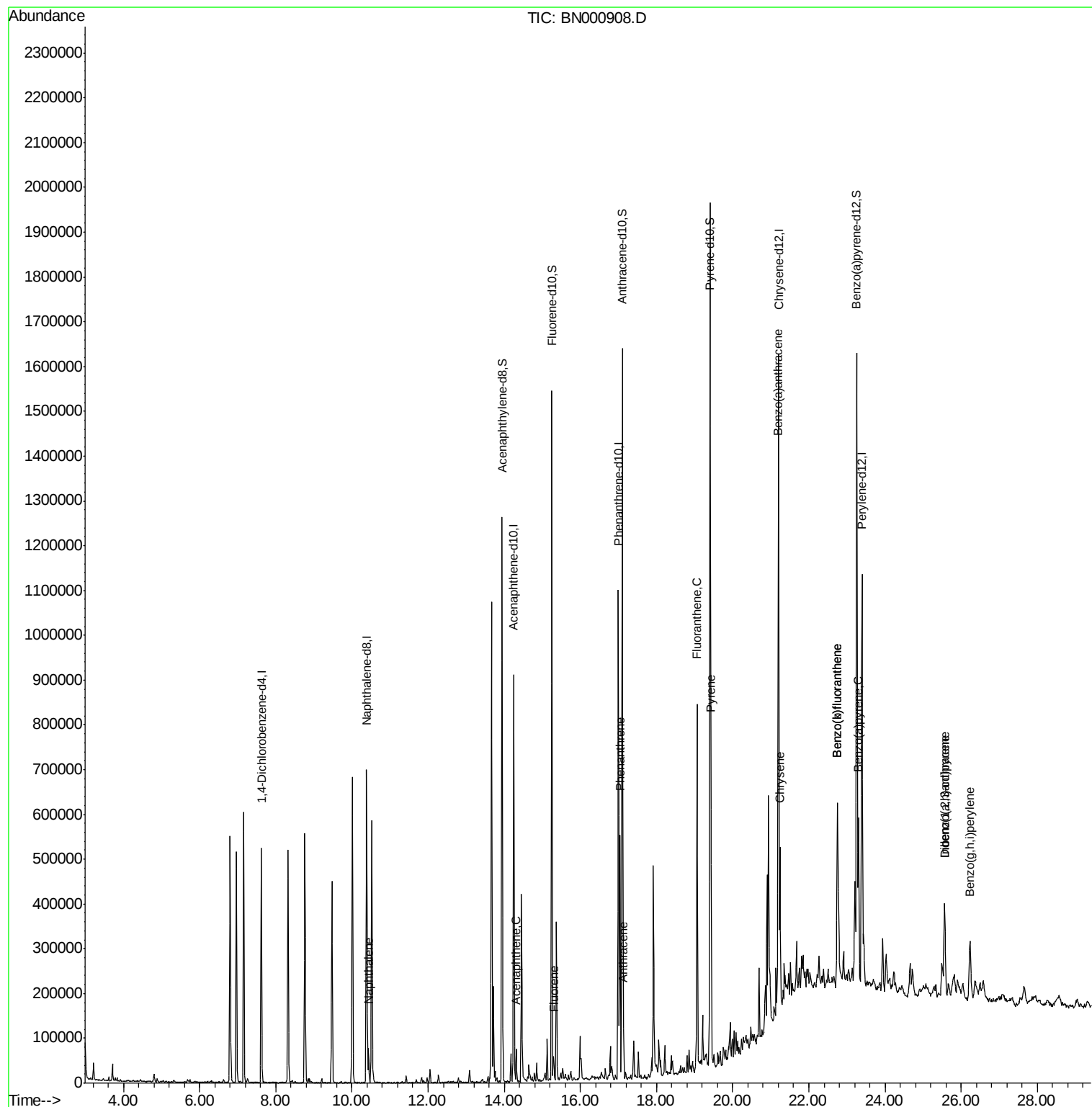
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	129170	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	548987	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.25	164	275259	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.00	188	569546	20.00	ng/ul	0.00
17) Chrysene-d12	21.20	240	538899	20.00	ng/ul	-0.01
22) Perylene-d12	23.40	264	571599	20.00	ng/ul	-0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	13.94	160	806990	30.53	ng/ul	0.00
10) Fluorene-d10	15.25	176	557211	31.58	ng/ul	0.00
14) Anthracene-d10	17.10	188	812240	31.19	ng/ul	0.00
18) Pyrene-d10	19.40	212	859579	31.13	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.26	264	927584	34.35	ng/ul	-0.02
Target Compounds				Ovalue		
3) Naphthalene	10.43	128	62586	2.262	ng/ul	99
9) Acenaphthene	14.32	153	27703	1.532	ng/ul	95
11) Fluorene	15.30	166	20673	1.074	ng/ul	93
13) Phenanthrene	17.04	178	298669	9.615	ng/ul	100
15) Anthracene	17.13	178	60553	1.943	ng/ul	99
16) Fluoranthene	19.07	202	443689	14.078	ng/ul	96
19) Pyrene	19.43	202	371368	10.729	ng/ul#	92
20) Benzo(a)anthracene	21.19	228	201394	6.252	ng/ul	97
21) Chrysene	21.24	228	176883	5.842	ng/ul	97
23) Benzo(b)fluoranthene	22.74	252	389714	11.997	ng/ul#	97
24) Benzo(k)fluoranthene	22.74	252	282617	8.891	ng/ul#	97
26) Benzo(a)pyrene	23.30	252	207071	6.670	ng/ul#	93
27) Indeno(1,2,3-cd)pyrene	25.56	276	164950	4.399	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.57	278	38698	1.238	ng/ul#	81
29) Benzo(g,h,i)perylene	26.23	276	145338	4.634	ng/ul#	89

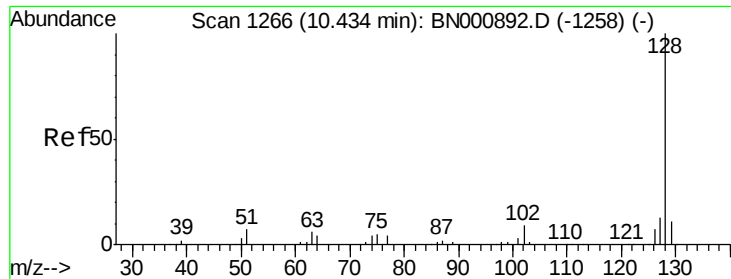
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 2.262 ng/ul

RT: 10.43 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BN000908.D

Acq: 26 Apr 2018 01:02

Instrument :

BNA_N

ClientSampleId :

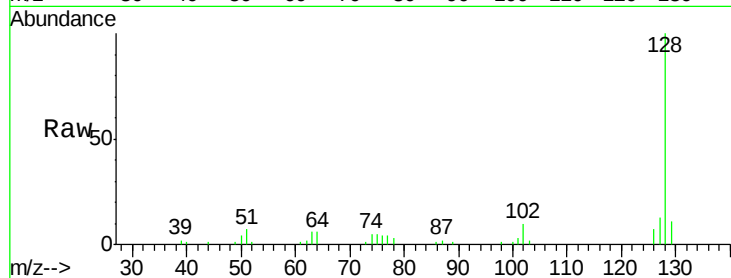
Tot Ion:128 Resp: 62586

Ion Ratio Lower Upper

128 100

129 11.2 8.7 13.1

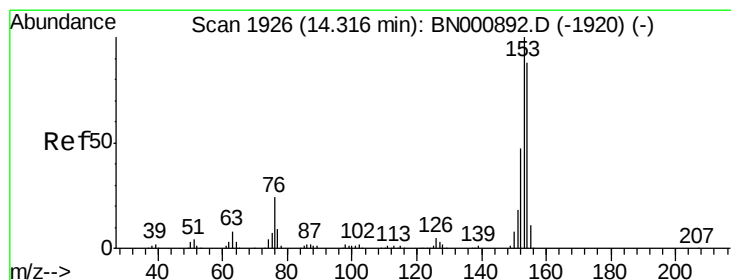
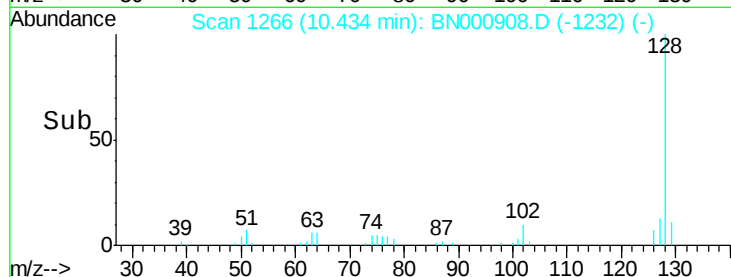
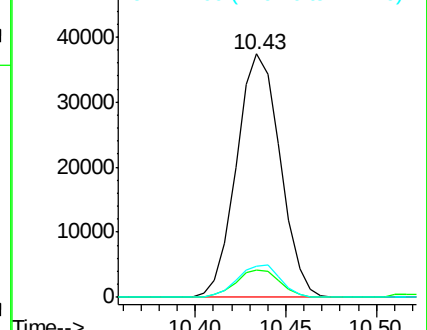
127 12.6 10.6 16.0



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



#9

Acenaphthene

Concen: 1.532 ng/ul

RT: 14.32 min Scan# 1926

Delta R.T. -0.00 min

Lab File: BN000908.D

Acq: 26 Apr 2018 01:02

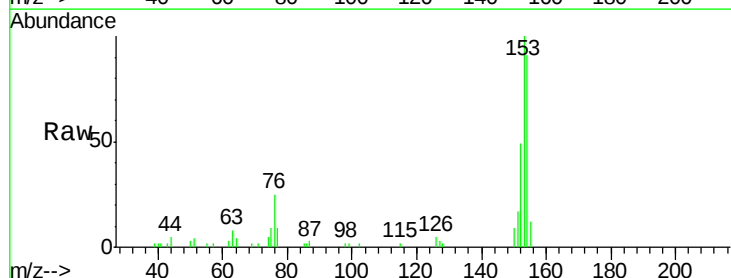
Tgt Ion:153 Resp: 27703

Ion Ratio Lower Upper

153 100

152 48.8 39.0 58.6

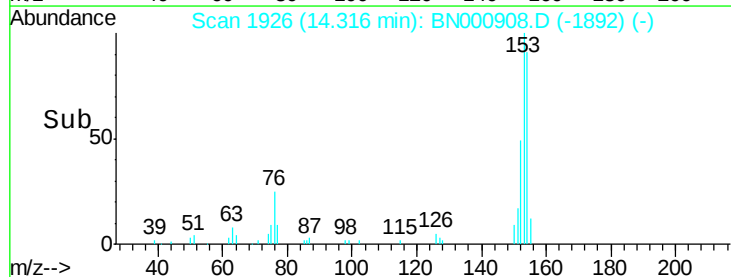
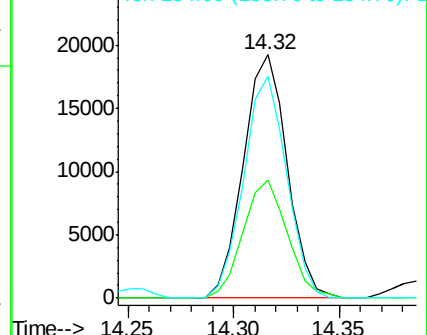
154 91.2 66.8 100.2

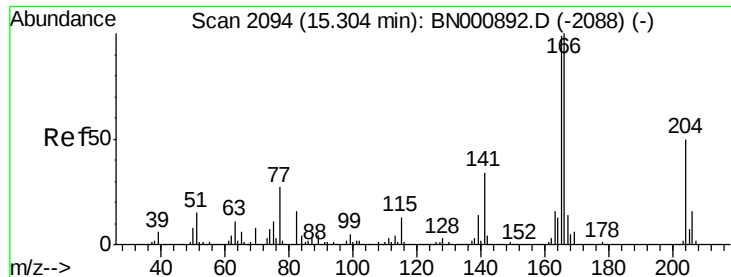


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

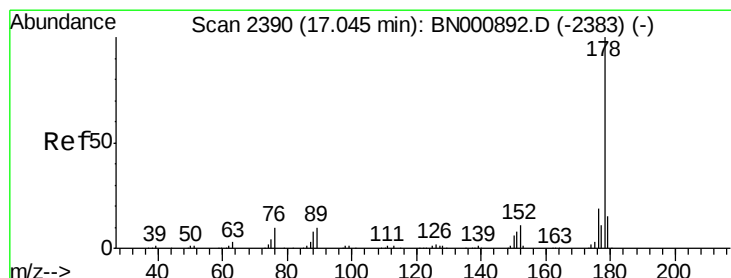
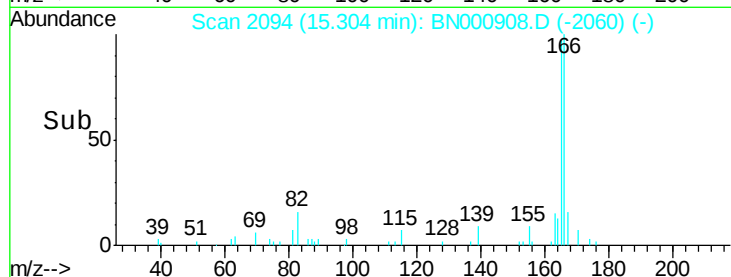
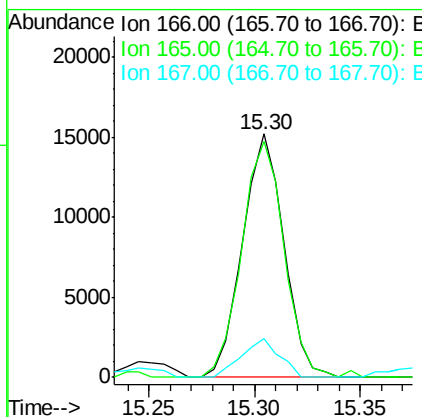
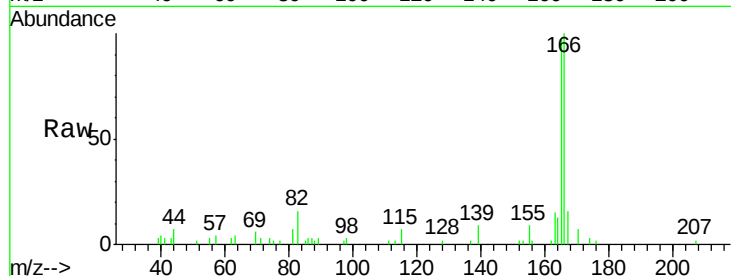




#11
Fluorene
 Concen: 1.074 ng/ul
 RT: 15.30 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: BN000908.D
 Acq: 26 Apr 2018 01:02

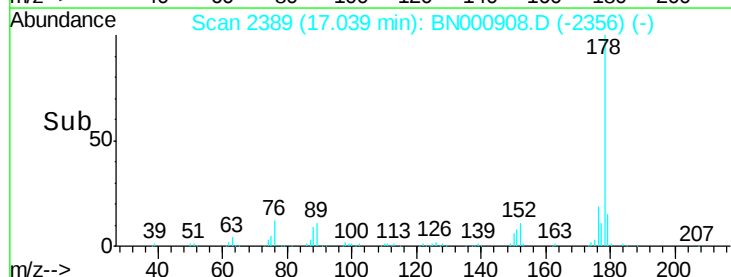
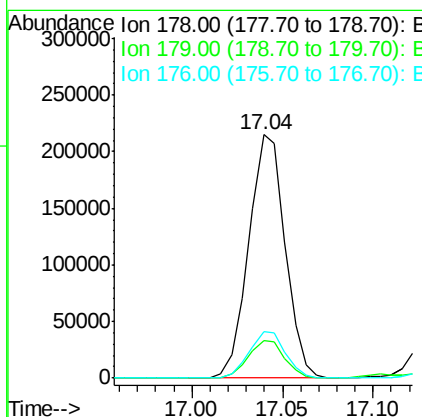
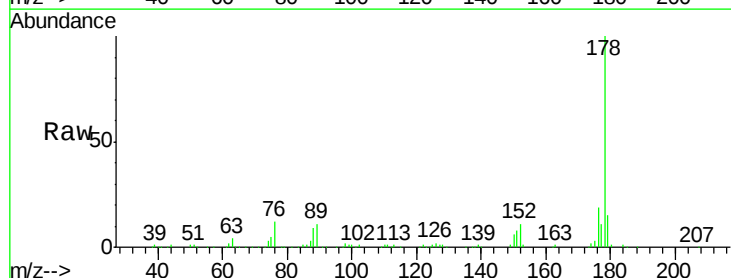
Instrument :
 BNA_N
 ClientSampleId :

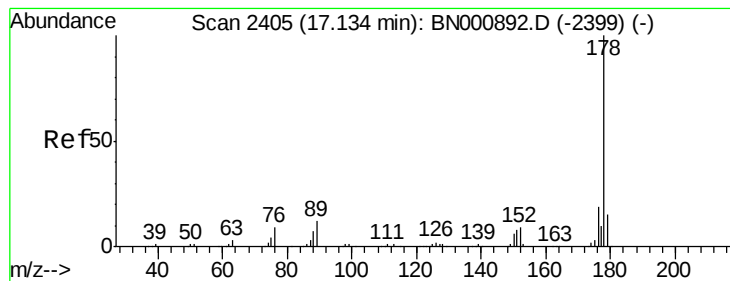
Tot Ion:166 Resp: 20673
 Ion Ratio Lower Upper
 166 100
 165 96.9 83.8 125.8
 167 15.9 11.5 17.3



#13
Phenanthrene
 Concen: 9.615 ng/ul
 RT: 17.04 min Scan# 2389
 Delta R.T. -0.01 min
 Lab File: BN000908.D
 Acq: 26 Apr 2018 01:02

Tgt Ion:178 Resp: 298669
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.3 18.5
 176 19.1 15.1 22.7





#15

Anthracene

Concen: 1.943 ng/ul

RT: 17.13 min Scan# 2405

Delta R.T. -0.00 min

Lab File: BN000908.D

Acq: 26 Apr 2018 01:02

Instrument :

BNA_N

ClientSampleId :

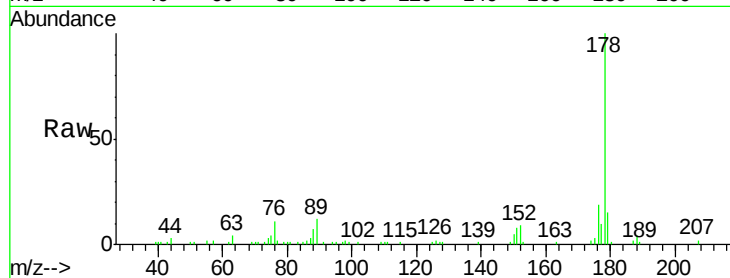
Tot Ion:178 Resp: 60553

Ion Ratio Lower Upper

178 100

179 15.1 11.8 17.8

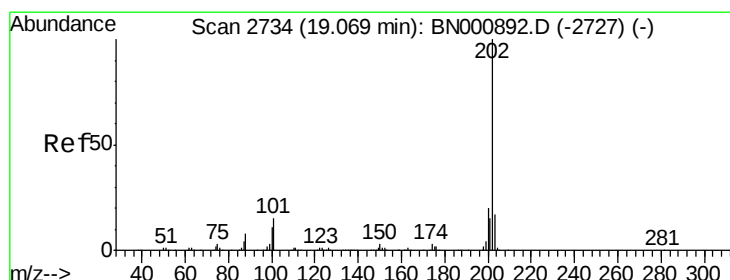
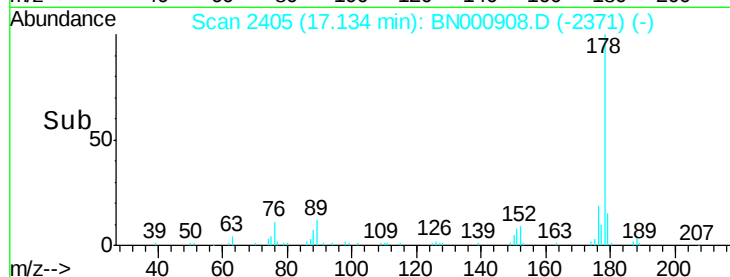
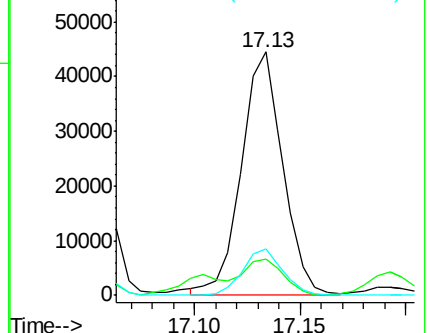
176 19.2 15.2 22.8



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: 14.078 ng/ul

RT: 19.07 min Scan# 2734

Delta R.T. -0.00 min

Lab File: BN000908.D

Acq: 26 Apr 2018 01:02

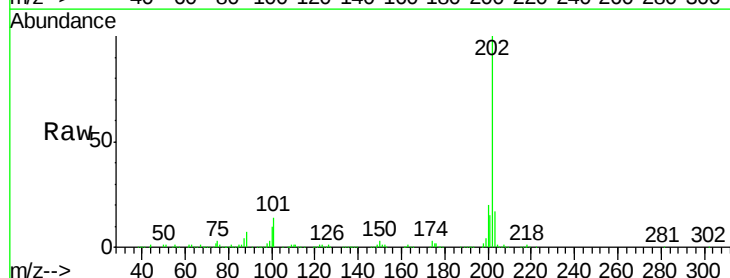
Tgt Ion:202 Resp: 443689

Ion Ratio Lower Upper

202 100

101 14.3 9.9 14.9

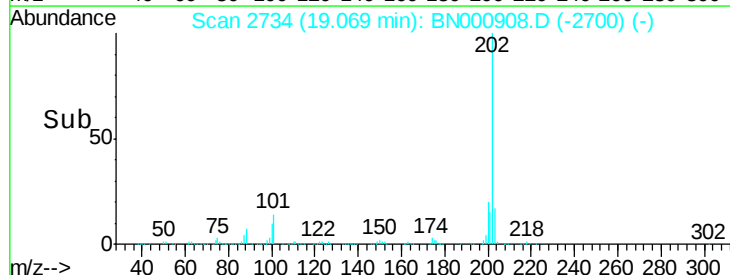
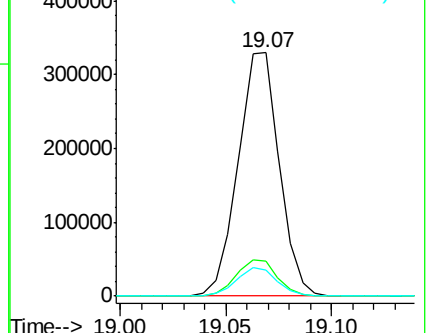
100 10.5 7.4 11.0

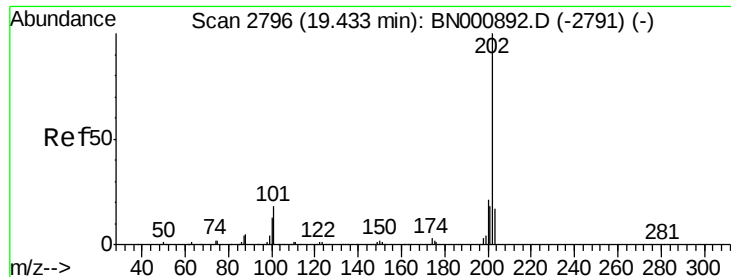


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

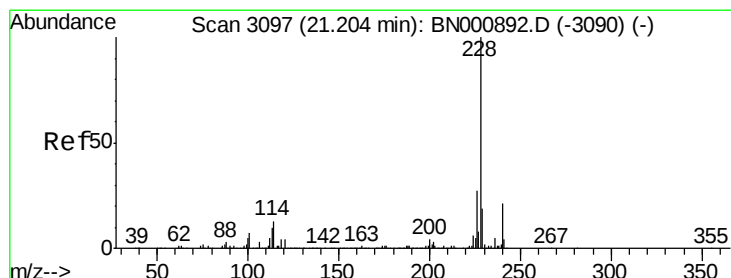
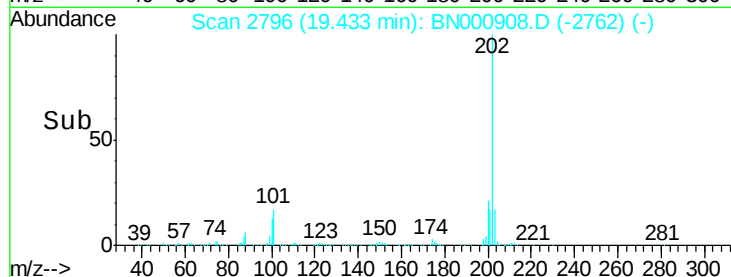
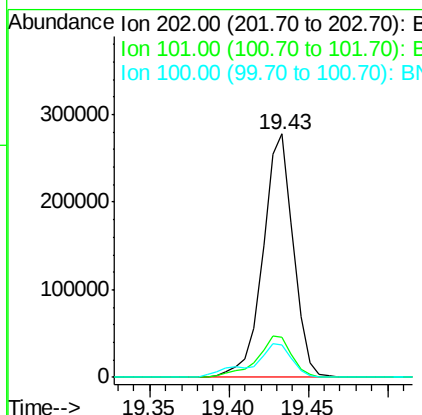
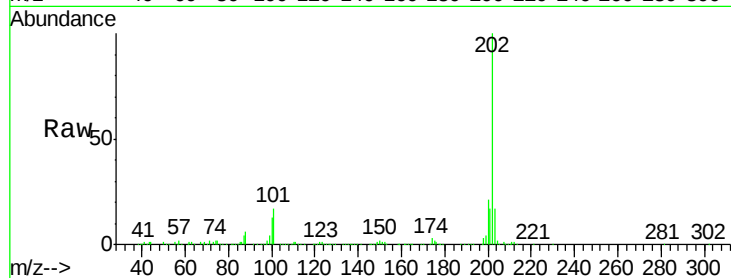




#19
Pvrene
Concen: 10.729 ng/ul
RT: 19.43 min Scan# 2796
Delta R.T. -0.00 min
Lab File: BN000908.D
Acq: 26 Apr 2018 01:02

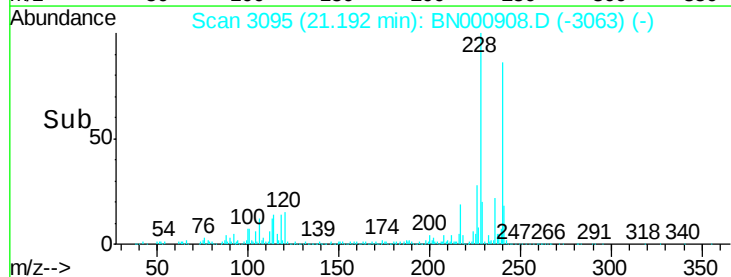
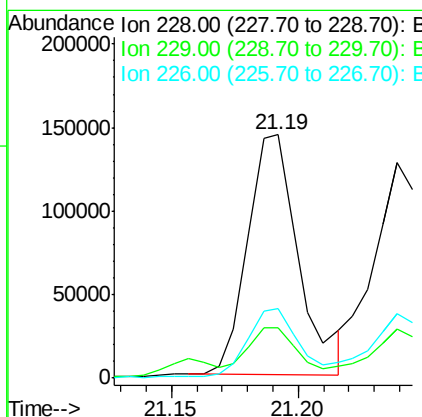
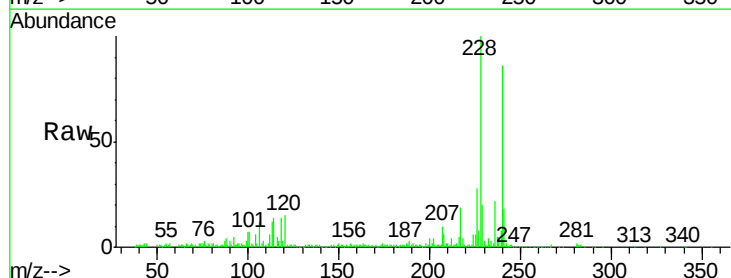
Instrument :
BNA_N
ClientSampleId :

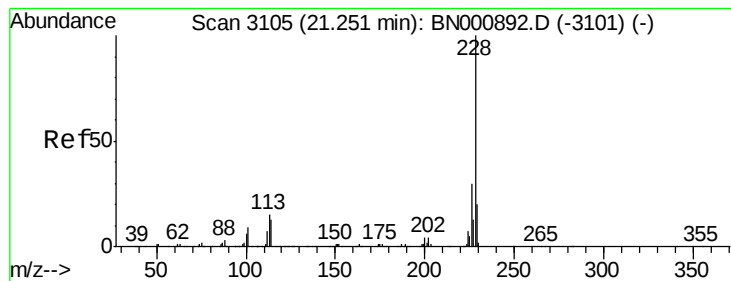
Tot Ion	Ratio	Lower	Upper
202	100		
101	16.6	11.0	16.4#
100	13.4	8.1	12.1#



#20
Benzo(a)anthracene
Concen: 6.252 ng/ul
RT: 21.19 min Scan# 3095
Delta R.T. -0.01 min
Lab File: BN000908.D
Acq: 26 Apr 2018 01:02

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.7	23.5
226	28.5	21.1	31.7





#21

Chrysene

Concen: 5.842 ng/ul

RT: 21.24 min Scan# 3103

Delta R.T. -0.01 min

Lab File: BN000908.D

Acq: 26 Apr 2018 01:02

Instrument :

BNA_N

ClientSampleId :

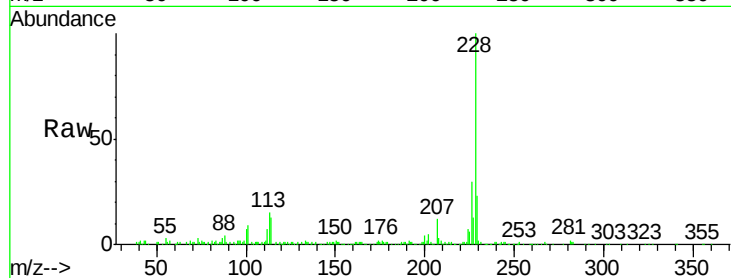
Tot Ion:228 Resp: 176883

Ion Ratio Lower Upper

228 100

226 29.9 24.5 36.7

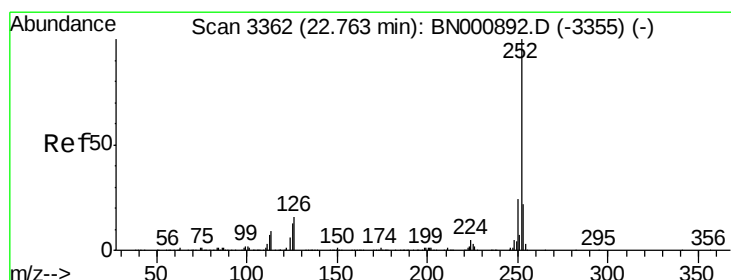
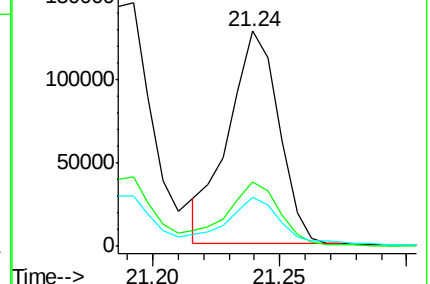
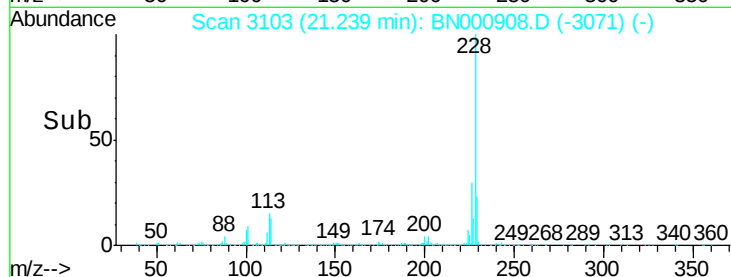
229 23.0 15.8 23.8



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: 11.997 ng/ul

RT: 22.74 min Scan# 3359

Delta R.T. -0.02 min

Lab File: BN000908.D

Acq: 26 Apr 2018 01:02

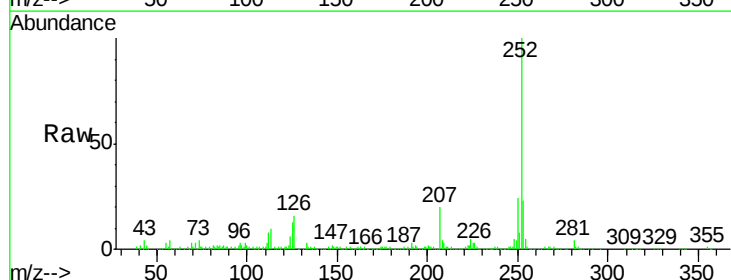
Tgt Ion:252 Resp: 389714

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

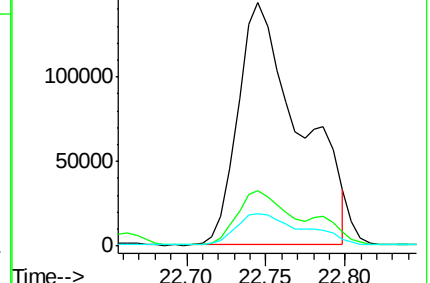
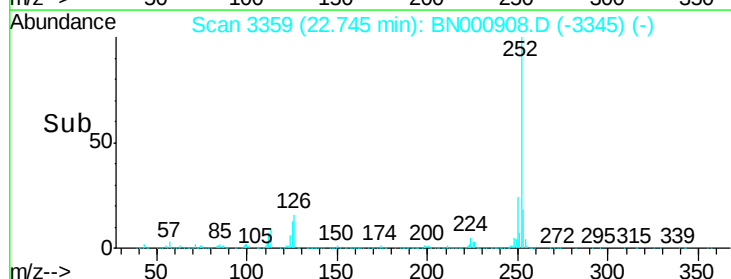
125 13.4 8.0 12.0#

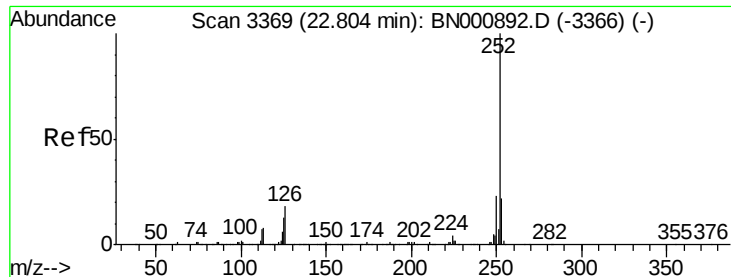


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 8.891 ng/u1

RT: 22.74 min Scan# 3359

Delta R.T. -0.06 min

Lab File: BN000908.D

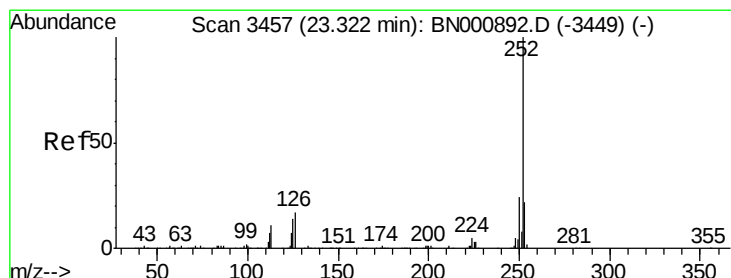
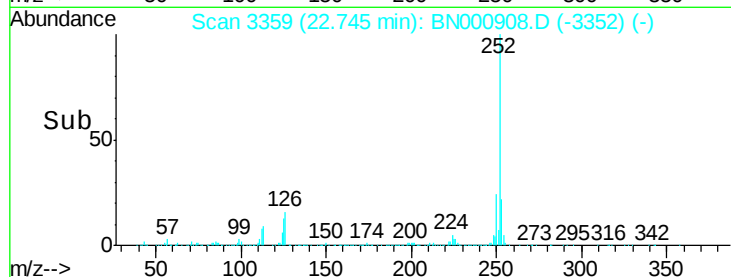
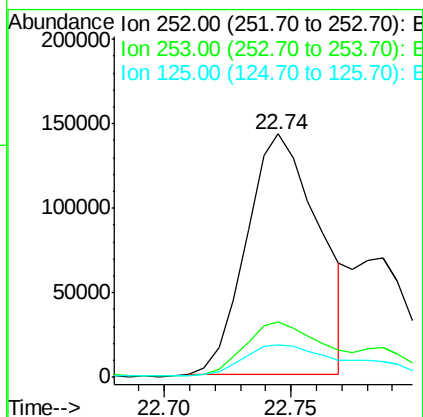
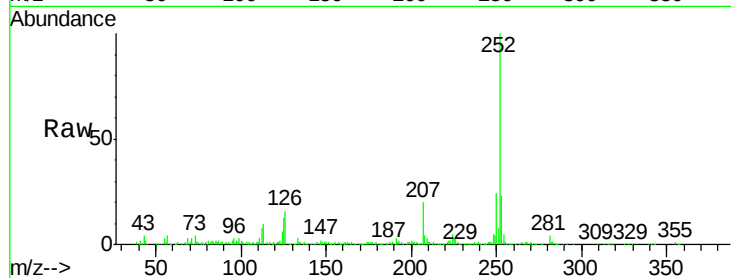
Acq: 26 Apr 2018 01:02

Instrument :

BNA_N

ClientSampleId :

Tot Ion:252	Resp:	282617
Ion Ratio	Lower	Upper
252	100	
253	22.7	18.0 27.0
125	13.4	8.1 12.1#



#26

Benzo(a)pyrene

Concen: 6.670 ng/u1

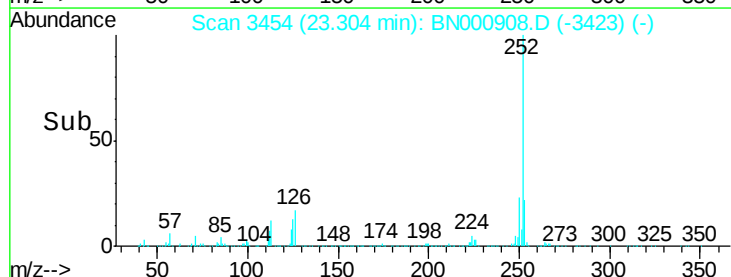
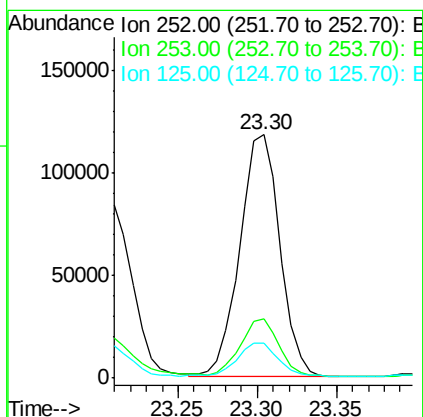
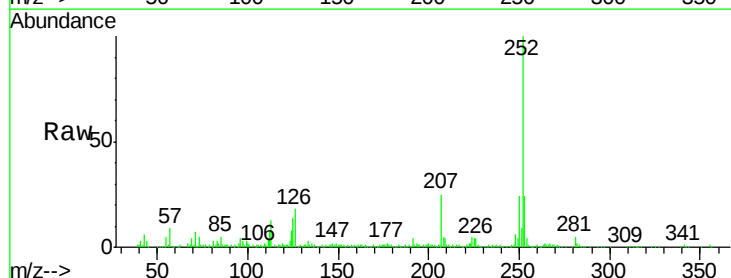
RT: 23.30 min Scan# 3454

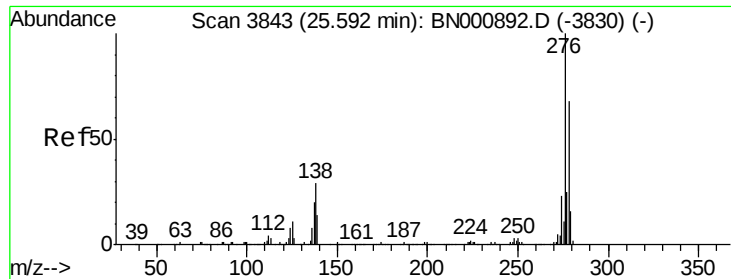
Delta R.T. -0.02 min

Lab File: BN000908.D

Acq: 26 Apr 2018 01:02

Tgt Ion:252	Resp:	207071
Ion Ratio	Lower	Upper
252	100	
253	24.2	17.2 25.8
125	14.2	8.2 12.4#



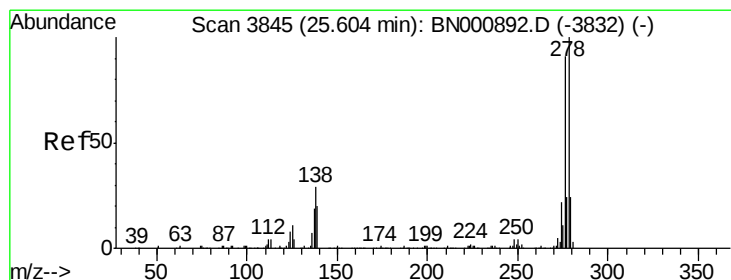
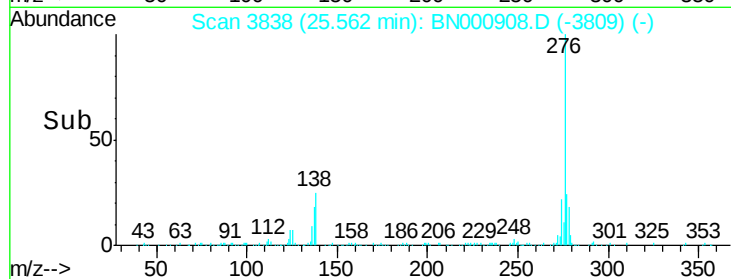
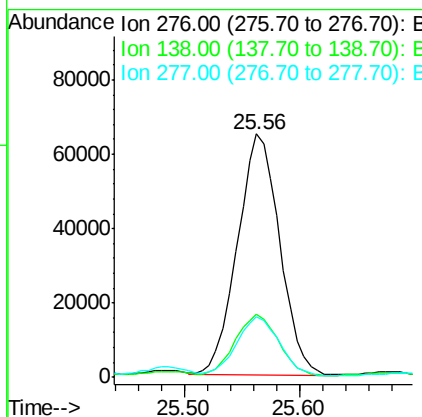
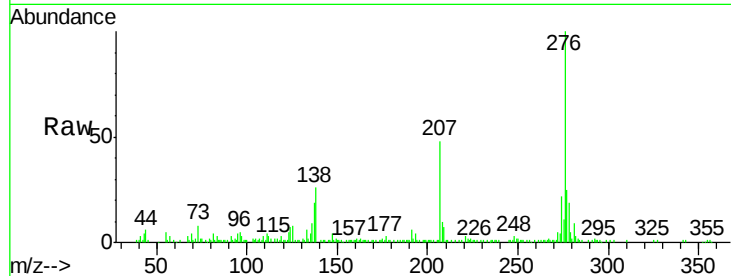


#27

Indeno(1,2,3-cd)pyrene
Concen: 4.399 ng/uL
RT: 25.56 min Scan# 3838
Delta R.T. -0.03 min
Lab File: BN000908.D
Acq: 26 Apr 2018 01:02

Instrument :
BNA_N
ClientSampleId :

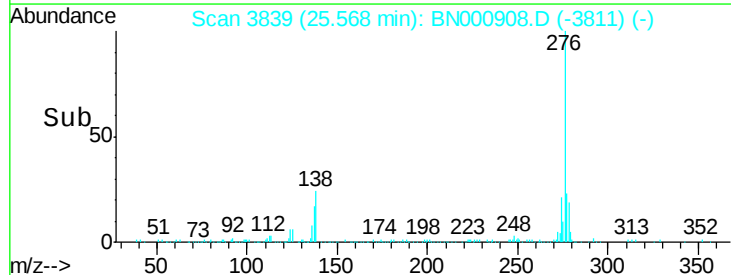
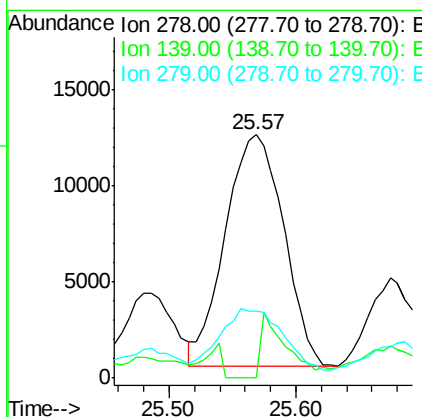
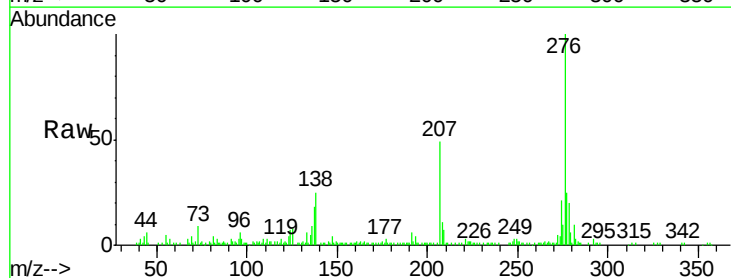
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	14.4	21.6#
277	24.9	18.0	27.0

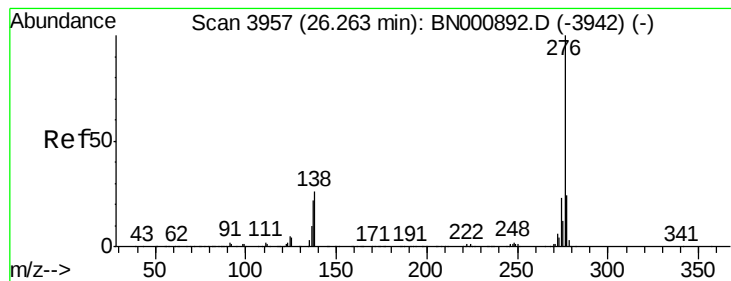


#28

Dibenzo(a,h)anthracene
Concen: 1.238 ng/uL
RT: 25.57 min Scan# 3839
Delta R.T. -0.04 min
Lab File: BN000908.D
Acq: 26 Apr 2018 01:02

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.2	18.4#
279	27.7	19.2	28.8





#29

Benzo(a,h,i)perylene

Concen: 4.634 ng/ul

RT: 26.23 min Scan# 3951

Delta R.T. -0.04 min

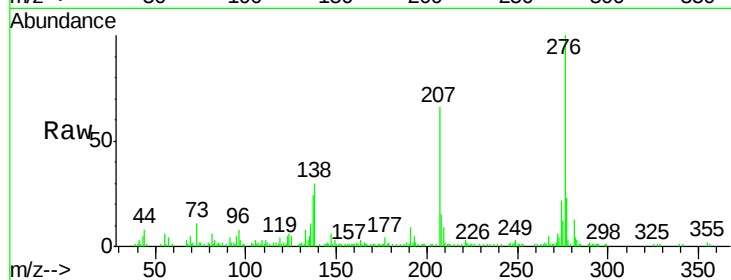
Lab File: BN000908.D

Acq: 26 Apr 2018 01:02

Instrument :

BNA_N

ClientSampleId :



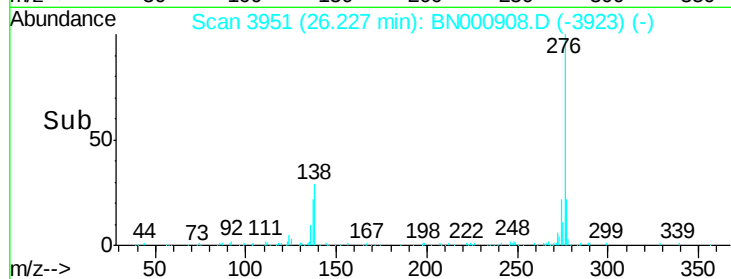
Tot Ion:276 Resp: 145338

Ion Ratio Lower Upper

276 100

138 29.5 15.3 22.9#

277 23.1 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

