

Data Path : Z:\HPCHEM1\BNA N\DATA\BN042618\
 Data File : BN000958.D
 Acq On : 27 Apr 2018 06:21
 Operator : JU/SJ
 Sample : J2526-10
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 27 09:26:59 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN042418MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Apr 27 09:25:35 2018
 Response via : Initial Calibration

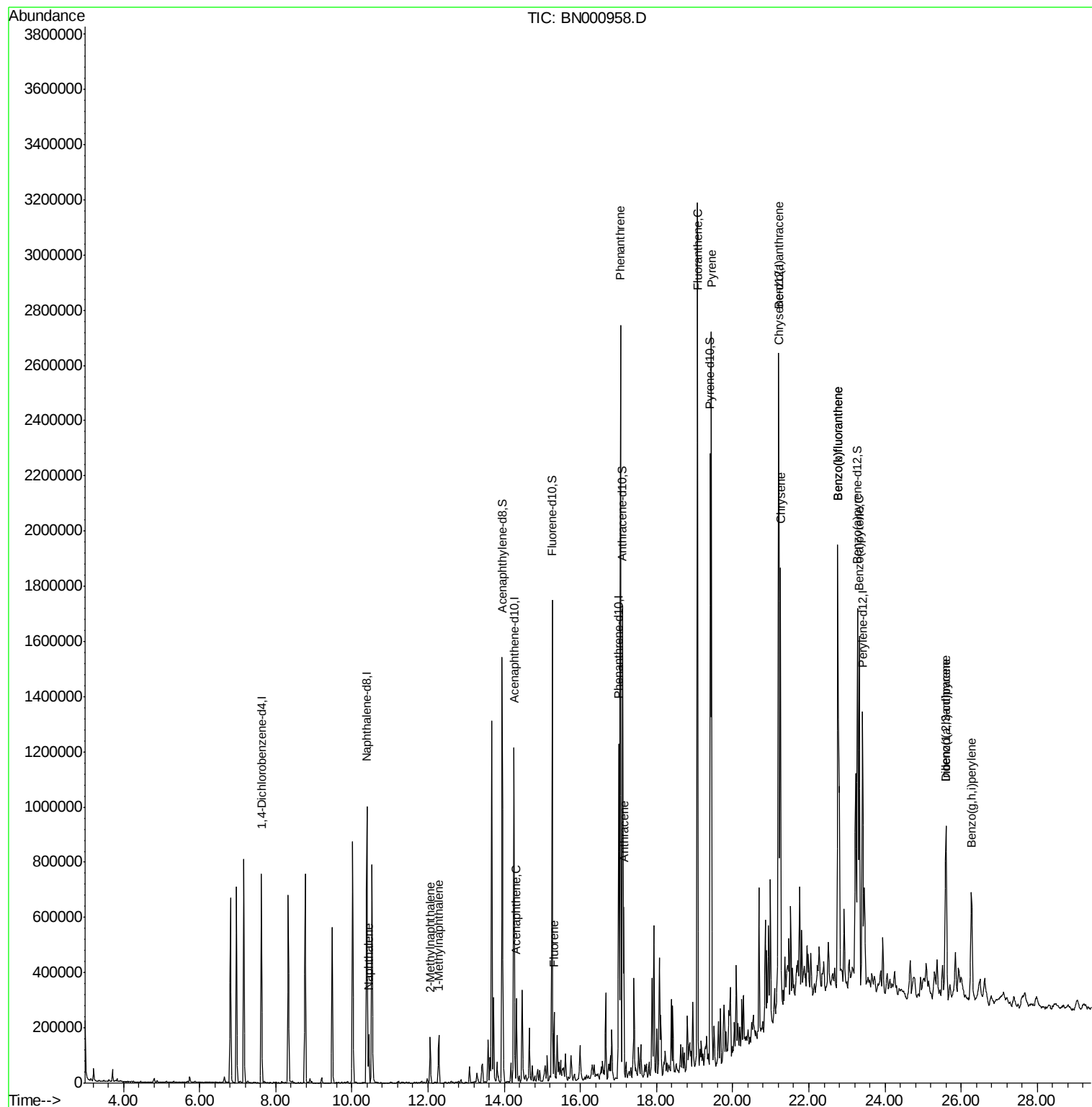
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	194909	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	797556	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	373409	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.01	188	670631	20.00	ng/ul	0.00
17) Chrysene-d12	21.22	240	598008	20.00	ng/ul	0.00
22) Perylene-d12	23.42	264	662962	20.00	ng/ul	0.00
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	984806	27.46	ng/ul	0.00
10) Fluorene-d10	15.26	176	637582	26.64	ng/ul	0.00
14) Anthracene-d10	17.10	188	847542	27.64	ng/ul	0.00
18) Pyrene-d10	19.41	212	845297	27.59	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.28	264	952788	30.42	ng/ul	0.00
Target Compounds					Ovalue	
3) Naphthalene	10.44	128	134884	3.356	ng/ul	100
4) 2-Methylnaphthalene	12.06	142	76445	2.850	ng/ul	97
5) 1-Methylnaphthalene	12.28	142	79802	3.034	ng/ul#	94
9) Acenaphthene	14.32	153	116650	4.757	ng/ul	94
11) Fluorene	15.31	166	93457	3.580	ng/ul	94
13) Phenanthrene	17.05	178	1512249	41.345	ng/ul	99
15) Anthracene	17.14	178	347369	9.468	ng/ul	99
16) Fluoranthene	19.07	202	1727973	46.564	ng/ul#	93
19) Pyrene	19.44	202	1468442	38.230	ng/ul#	89
20) Benzo(a)anthracene	21.20	228	851472	23.819	ng/ul	98
21) Chrysene	21.25	228	737414	21.947	ng/ul	97
23) Benzo(b)fluoranthene	22.76	252	1440728	38.240	ng/ul#	97
24) Benzo(k)fluoranthene	22.76	252	1454611	39.455	ng/ul#	97
26) Benzo(a)pyrene	23.32	252	760902	21.132	ng/ul#	95
27) Indeno(1,2,3-cd)pyrene	25.60	276	534682	12.294	ng/ul#	90
28) Dibenzo(a,h)anthracene	25.60	278	153055	4.223	ng/ul#	77
29) Benzo(g,h,i)perylene	26.27	276	426848	11.735	ng/ul#	95

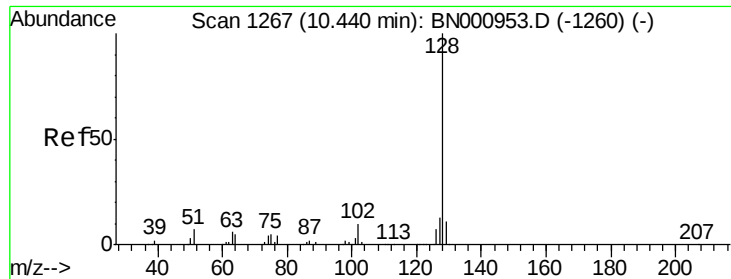
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 3.356 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BN000958.D

Acq: 27 Apr 2018 06:21

Instrument :

BNA_N

ClientSampleId :

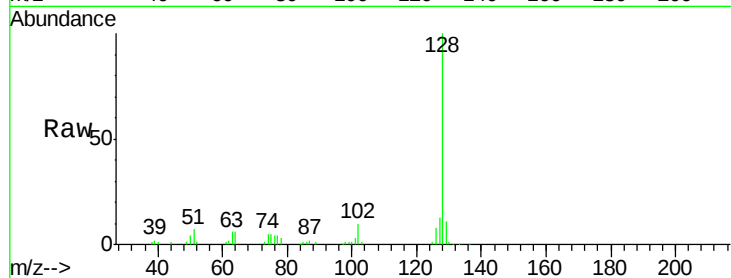
Tot Ion:128 Resp: 134884

Ion Ratio Lower Upper

128 100

129 11.1 8.7 13.1

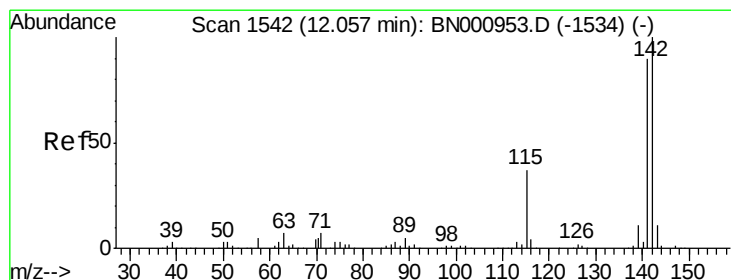
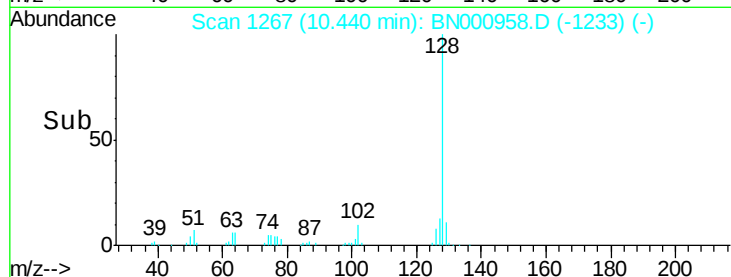
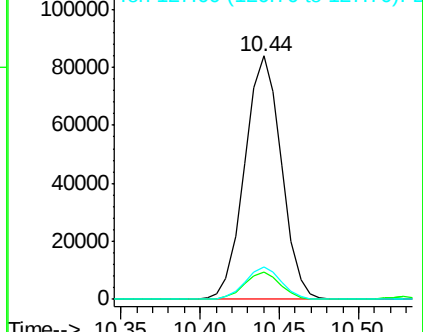
127 13.4 10.6 16.0



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



#4

2-Methylnaphthalene

Concen: 2.850 ng/ul

RT: 12.06 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BN000958.D

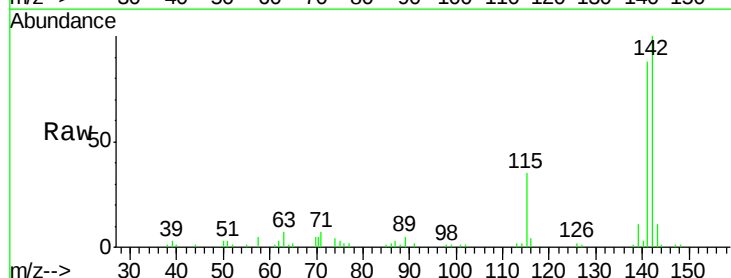
Acq: 27 Apr 2018 06:21

Tgt Ion:142 Resp: 76445

Ion Ratio Lower Upper

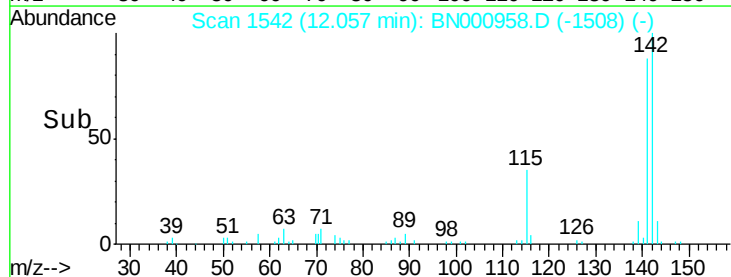
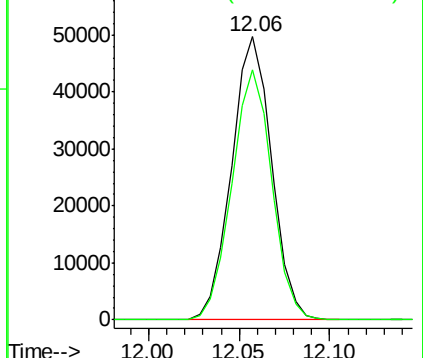
142 100

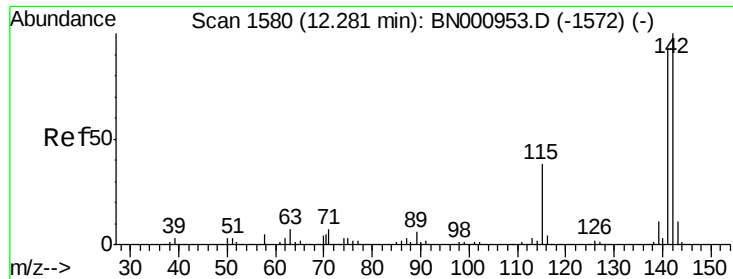
141 88.5 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 3.034 ng/ul

RT: 12.28 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BN000958.D

Acq: 27 Apr 2018 06:21

Instrument :

BNA_N

ClientSampleId :

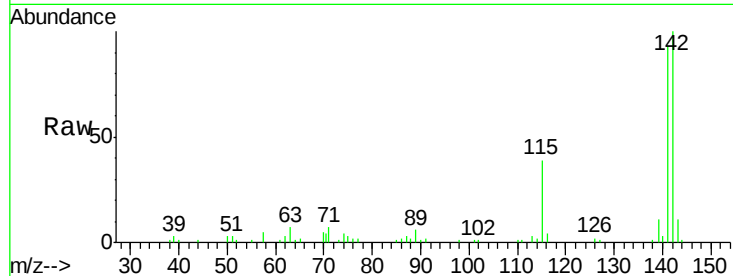
Tot Ion:142 Resp: 79802

Ion Ratio Lower Upper

142 100

141 93.0 79.3 118.9

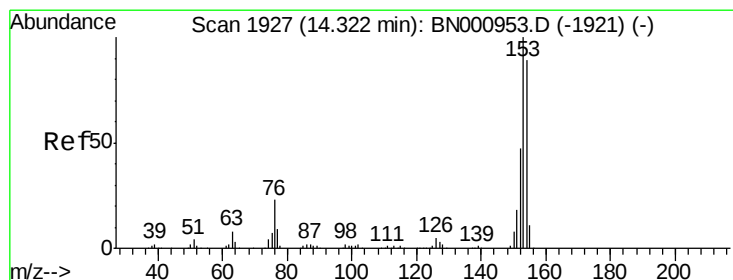
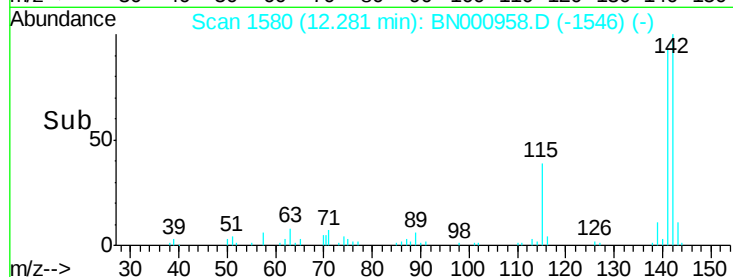
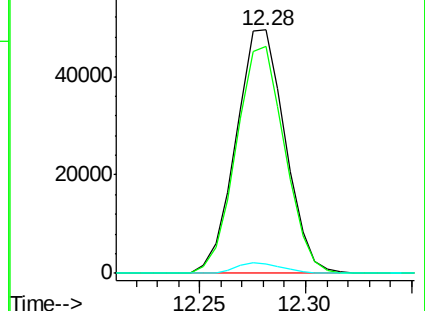
116 3.9 4.2 6.2#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#9

Acenaphthene

Concen: 4.757 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. 0.00 min

Lab File: BN000958.D

Acq: 27 Apr 2018 06:21

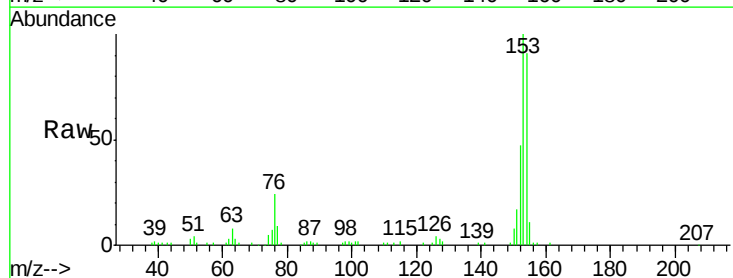
Tgt Ion:153 Resp: 116650

Ion Ratio Lower Upper

153 100

152 47.2 39.0 58.6

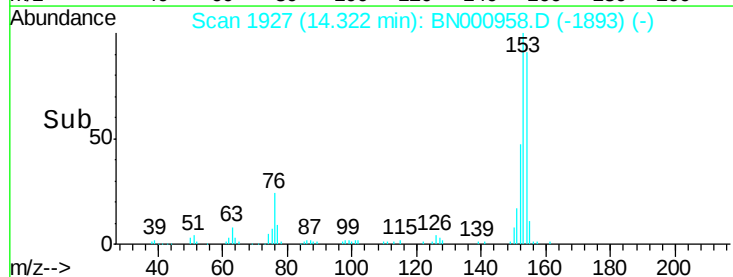
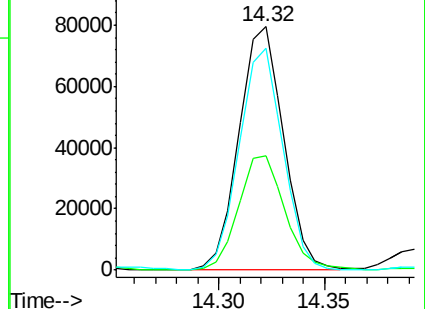
154 91.1 66.8 100.2

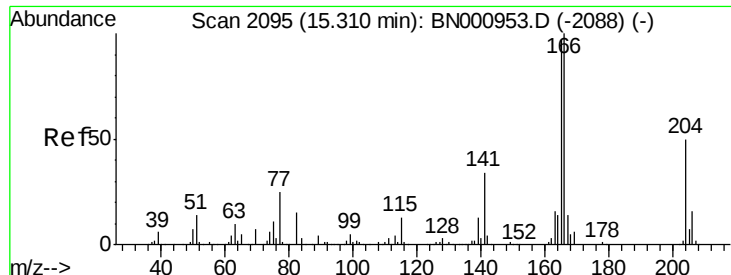


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

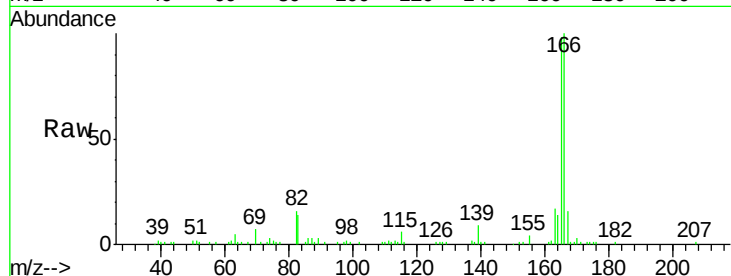




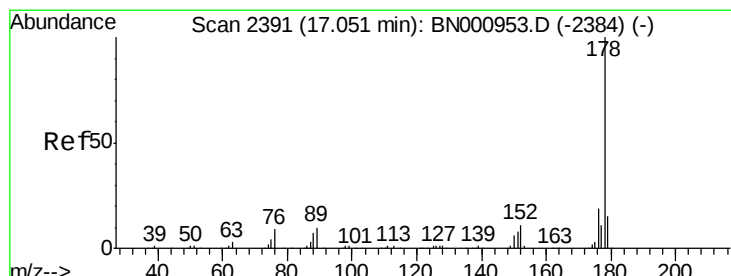
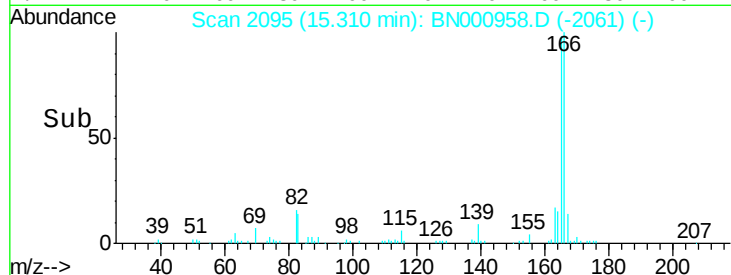
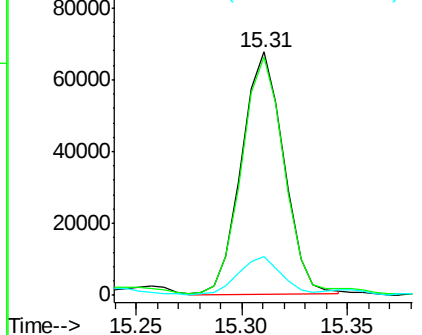
#11
 Fluorene
 Concen: 3.580 ng/ul
 RT: 15.31 min Scan# 2095
 Delta R.T. 0.00 min
 Lab File: BN000958.D
 Acq: 27 Apr 2018 06:21

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:166 Resp: 93457
 Ion Ratio Lower Upper
 166 100
 165 98.2 83.8 125.8
 167 15.8 11.5 17.3

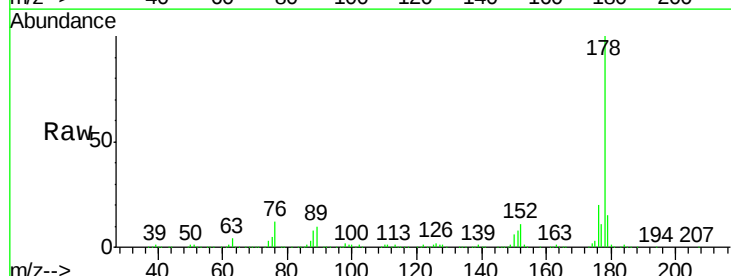


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

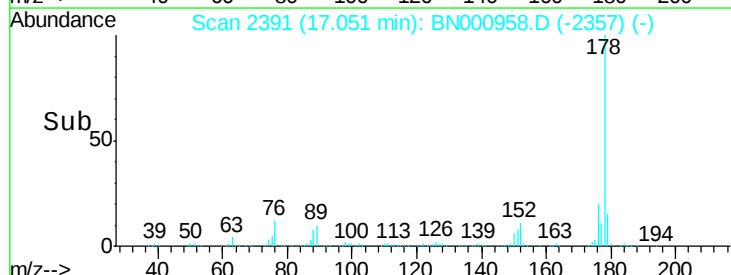
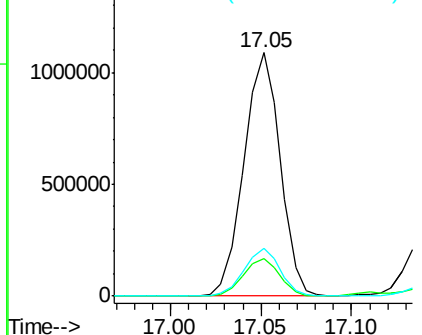


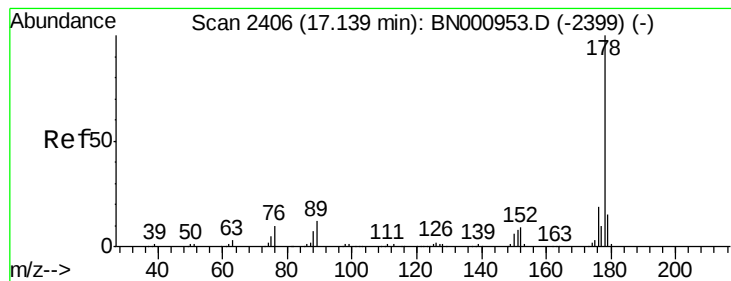
#13
 Phenanthrene
 Concen: 41.345 ng/ul
 RT: 17.05 min Scan# 2391
 Delta R.T. 0.00 min
 Lab File: BN000958.D
 Acq: 27 Apr 2018 06:21

Tgt Ion:178 Resp: 1512249
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.3 18.5
 176 19.6 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: 9.468 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. 0.00 min

Lab File: BN000958.D

Acq: 27 Apr 2018 06:21

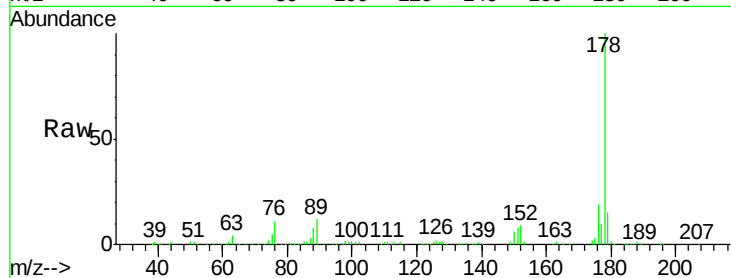
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 347369

Ion	Ratio	Lower	Upper
178	100		
179	15.3	11.8	17.8
176	18.8	15.2	22.8

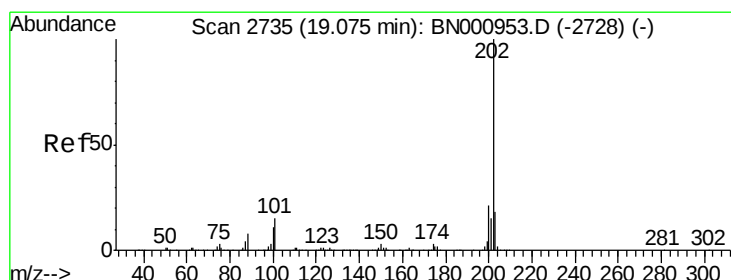
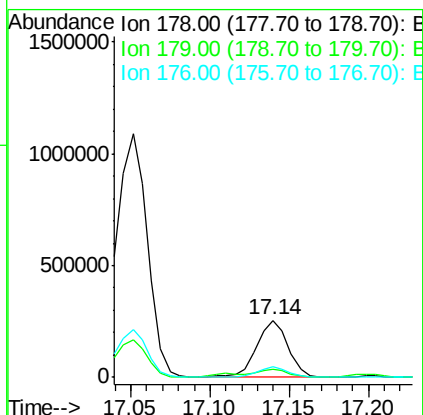
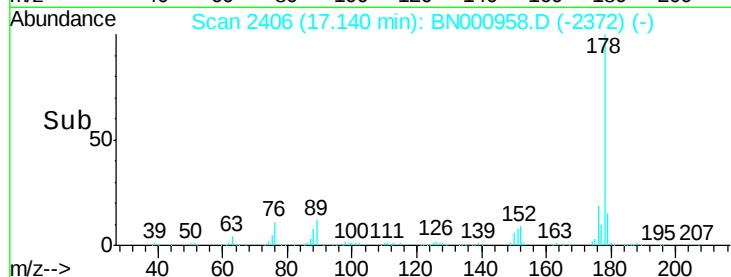


Abundance

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: 46.564 ng/ul

RT: 19.07 min Scan# 2735

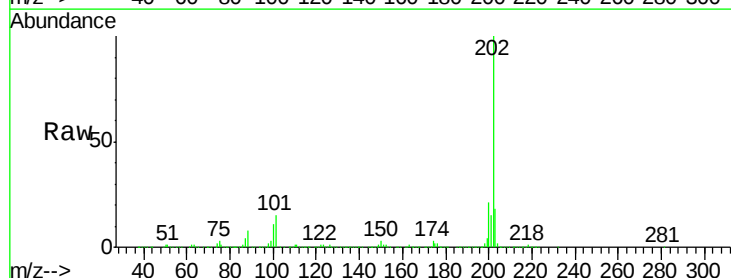
Delta R.T. 0.00 min

Lab File: BN000958.D

Acq: 27 Apr 2018 06:21

Tgt Ion:202 Resp: 1727973

Ion	Ratio	Lower	Upper
202	100		
101	15.2	9.9	14.9#
100	11.5	7.4	11.0#

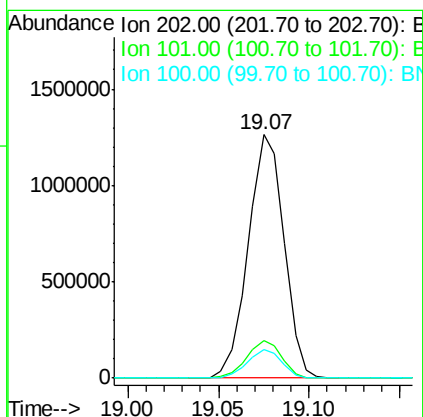
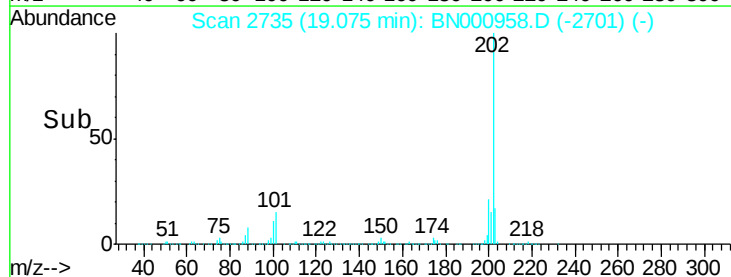


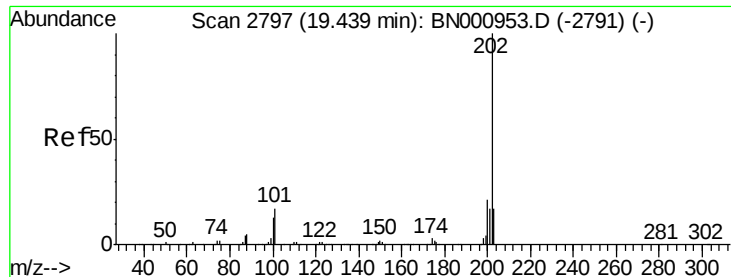
Abundance

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: 38.230 ng/ul

RT: 19.44 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BN000958.D

Acq: 27 Apr 2018 06:21

Instrument :

BNA_N

ClientSampled :

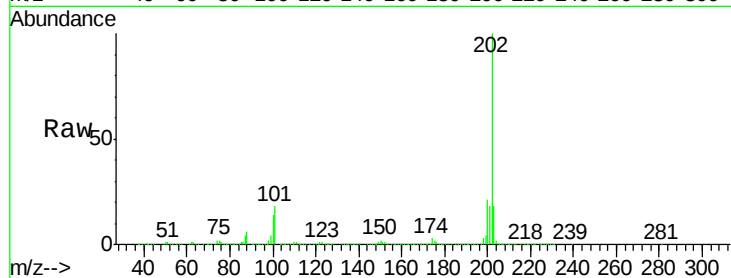
Tot Ion:202 Resp: 1468442

Ion Ratio Lower Upper

202 100

101 17.6 11.0 16.4#

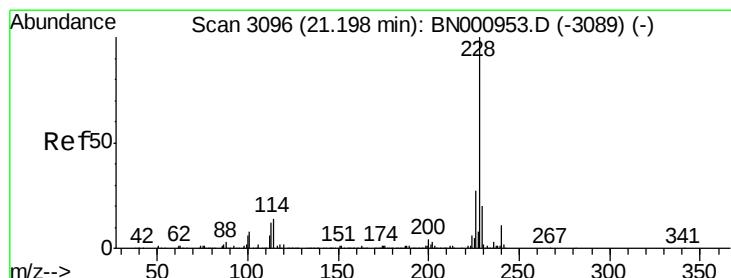
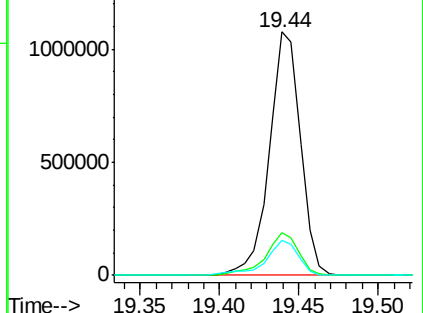
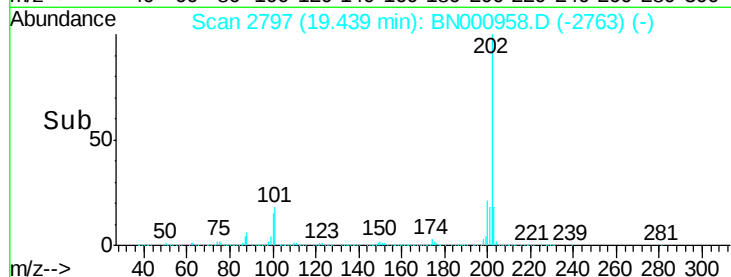
100 14.5 8.1 12.1#



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: 23.819 ng/ul

RT: 21.20 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BN000958.D

Acq: 27 Apr 2018 06:21

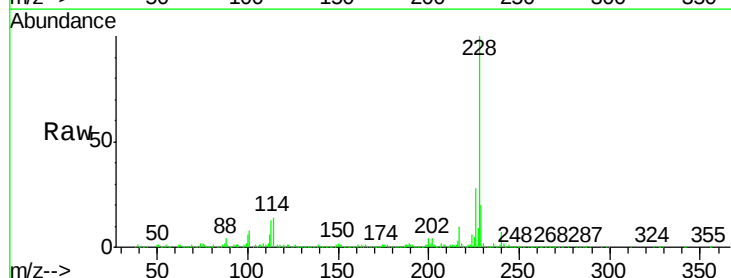
Tgt Ion:228 Resp: 851472

Ion Ratio Lower Upper

228 100

229 20.4 15.7 23.5

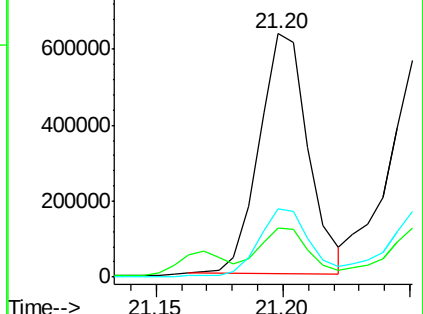
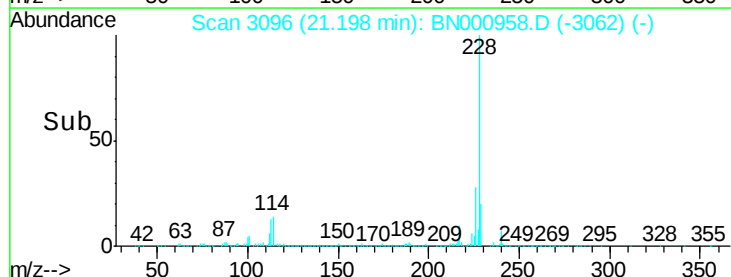
226 27.9 21.1 31.7

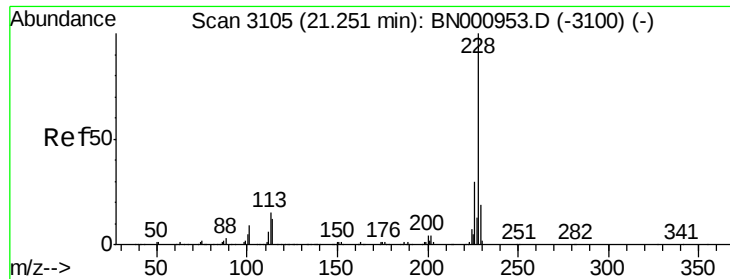


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 21.947 ng/ul

RT: 21.25 min Scan# 3105

Delta R.T. 0.00 min

Lab File: BN000958.D

Acq: 27 Apr 2018 06:21

Instrument :

BNA_N

ClientSampleId :

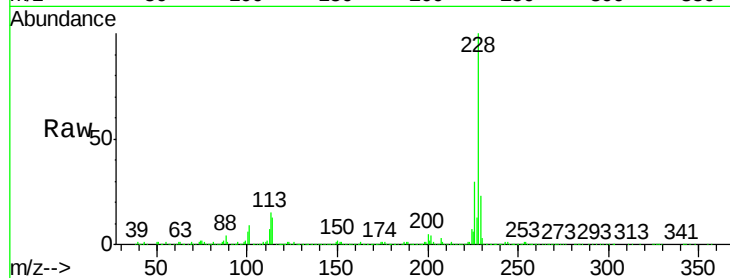
Tot Ion:228 Resp: 737414

Ion Ratio Lower Upper

228 100

226 30.3 24.5 36.7

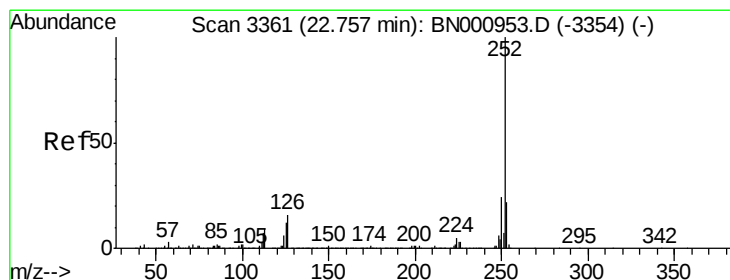
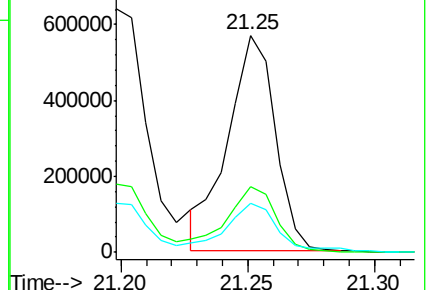
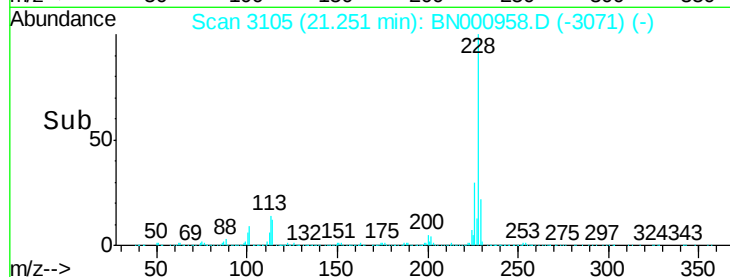
229 22.6 15.8 23.8



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: 38.240 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. 0.01 min

Lab File: BN000958.D

Acq: 27 Apr 2018 06:21

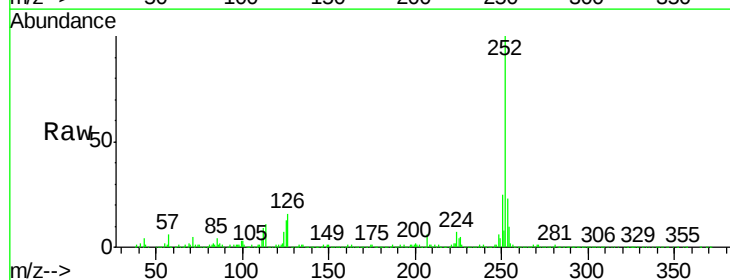
Tgt Ion:252 Resp: 1440728

Ion Ratio Lower Upper

252 100

253 23.0 18.0 27.0

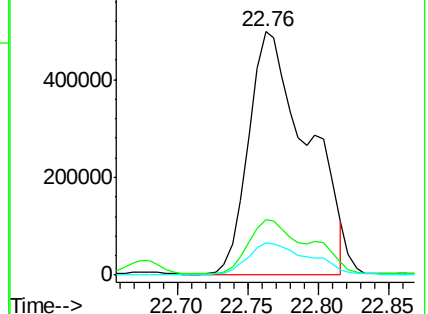
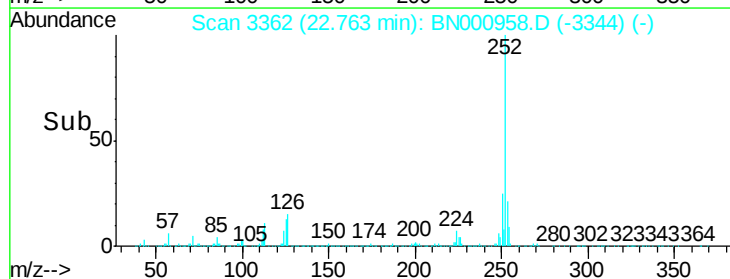
125 13.2 8.0 12.0#

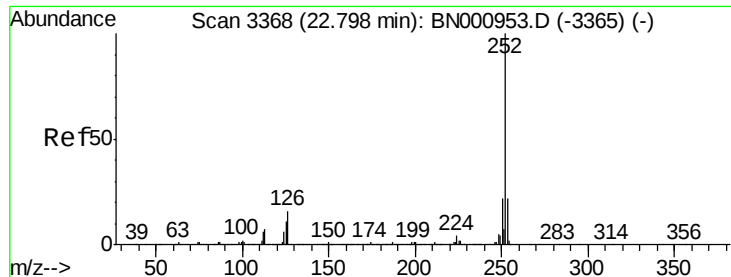


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

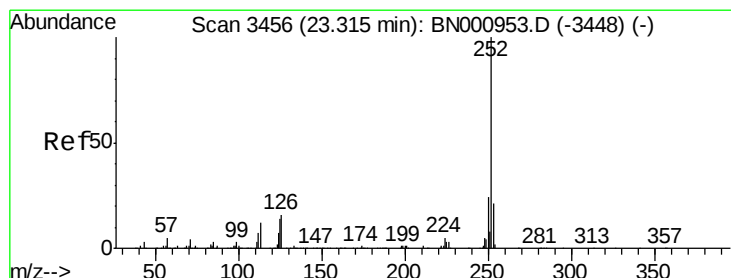
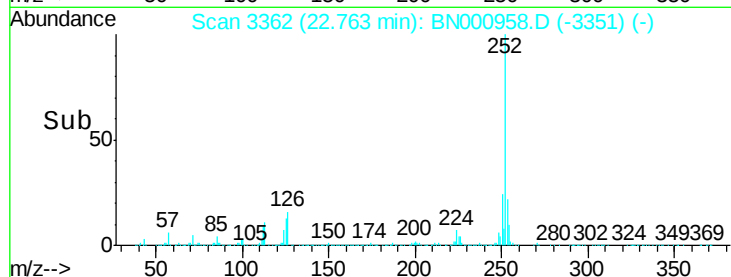
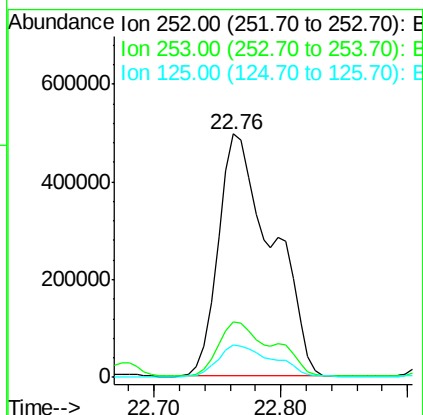
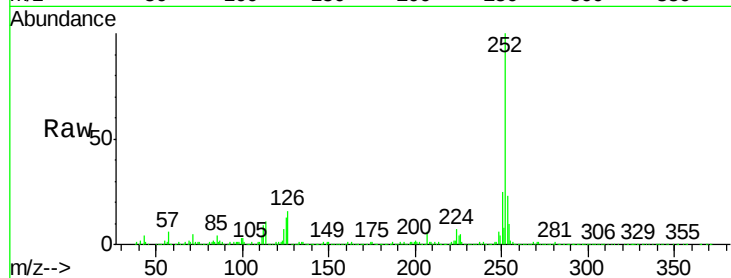




#24
Benzo(k)fluoranthene
Concen: 39.455 ng/ul
RT: 22.76 min Scan# 3362
Delta R.T. -0.04 min
Lab File: BN000958.D
Acq: 27 Apr 2018 06:21

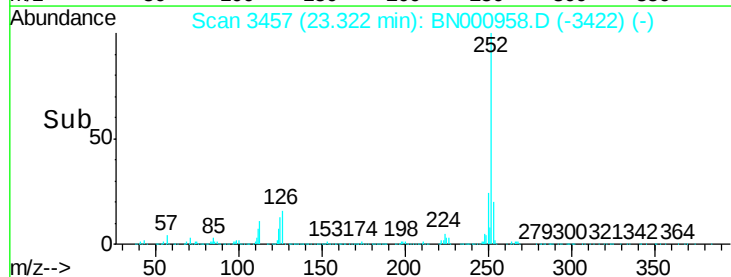
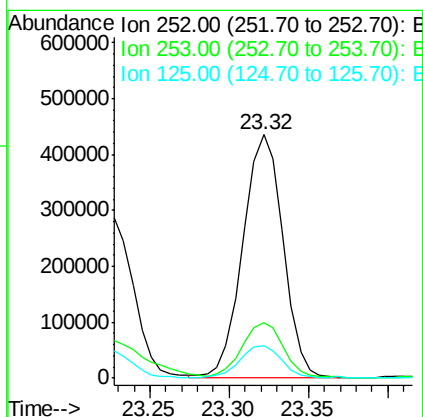
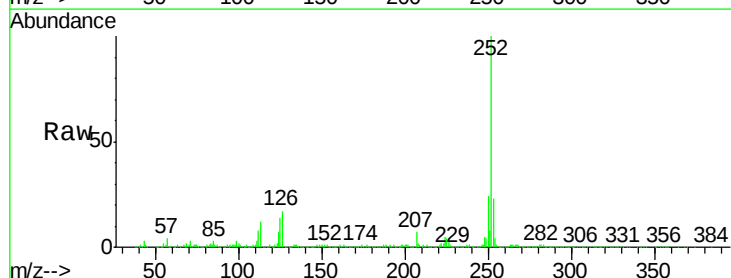
Instrument :
BNA_N
ClientSampleId :

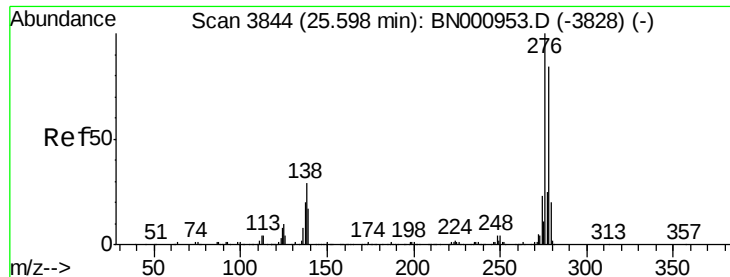
Tot Ion:252 Resp: 1454611
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 13.2 8.1 12.1#



#26
Benzo(a)pyrene
Concen: 21.132 ng/ul
RT: 23.32 min Scan# 3457
Delta R.T. 0.01 min
Lab File: BN000958.D
Acq: 27 Apr 2018 06:21

Tgt Ion:252 Resp: 760902
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 13.6 8.2 12.4#



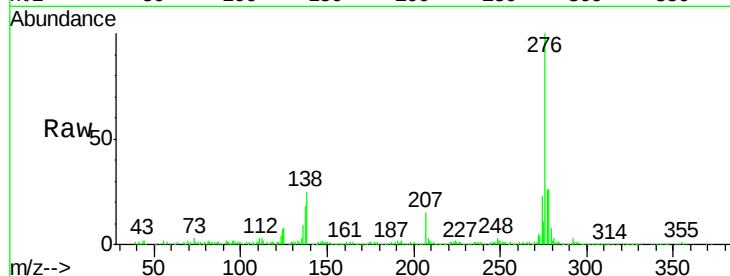


#27

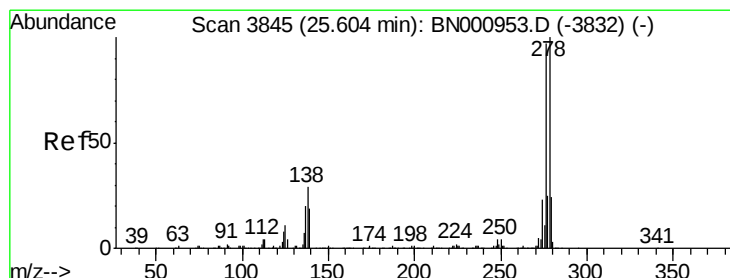
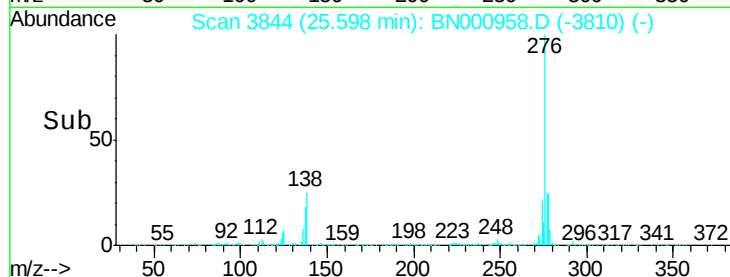
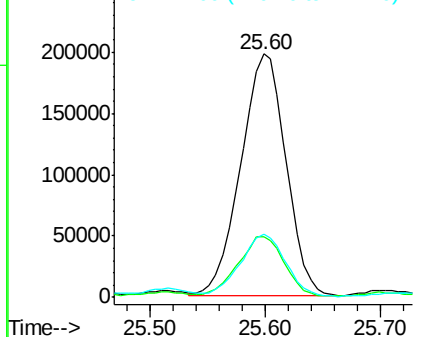
Indeno(1,2,3-cd)pyrene
Concen: 12.294 ng/ul
RT: 25.60 min Scan# 3844
Delta R.T. 0.00 min
Lab File: BN000958.D
Acq: 27 Apr 2018 06:21

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 534682
Ion Ratio Lower Upper
276 100
138 24.7 14.4 21.6#
277 25.7 18.0 27.0



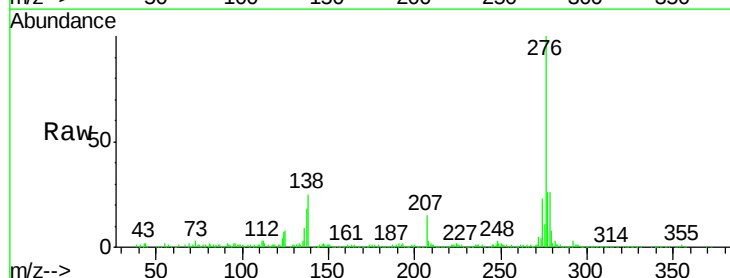
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



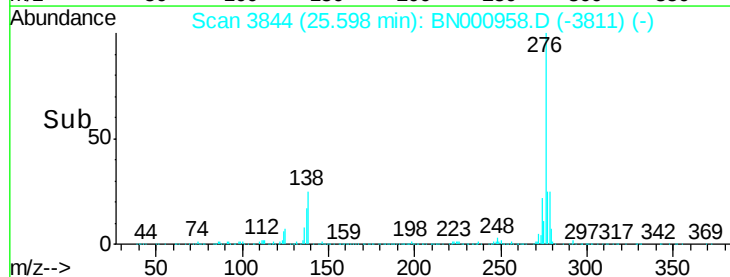
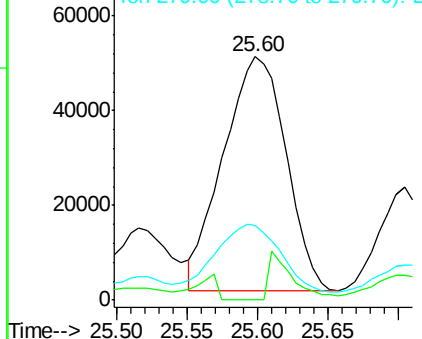
#28

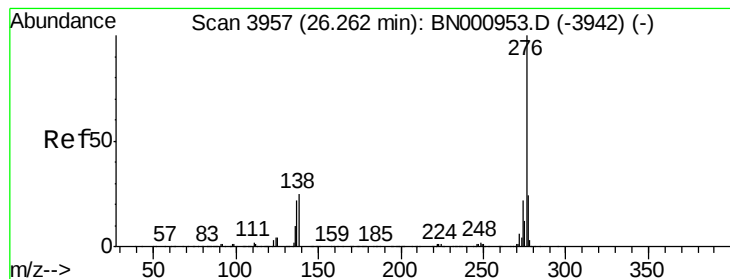
Dibenzo(a,h)anthracene
Concen: 4.223 ng/ul
RT: 25.60 min Scan# 3844
Delta R.T. -0.01 min
Lab File: BN000958.D
Acq: 27 Apr 2018 06:21

Tgt Ion:278 Resp: 153055
Ion Ratio Lower Upper
278 100
139 0.0 12.2 18.4#
279 30.8 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(a,h,i)perylene

Concen: 11.735 ng/ul

RT: 26.27 min Scan# 3958

Delta R.T. 0.01 min

Lab File: BN000958.D

Acq: 27 Apr 2018 06:21

Instrument :

BNA_N

ClientSampleId :

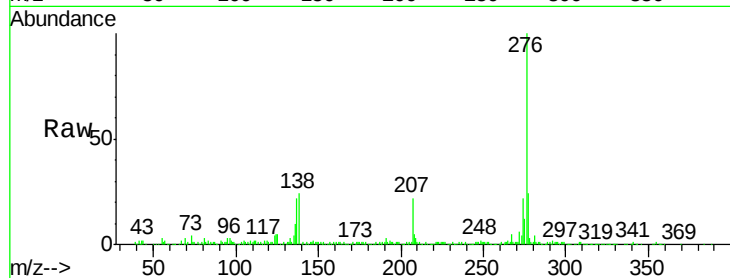
Tot Ion:276 Resp: 426848

Ion Ratio Lower Upper

276 100

138 24.0 15.3 22.9#

277 23.8 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

