

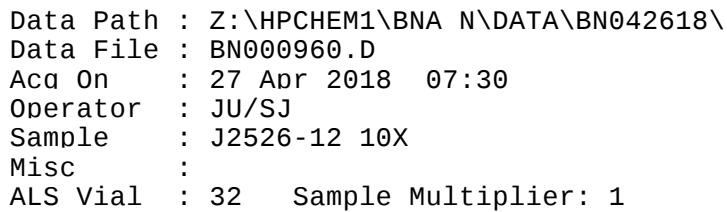
Data Path : Z:\HPCHEM1\BNA N\DATA\BN042618\
 Data File : BN000960.D
 Acq On : 27 Apr 2018 07:30
 Operator : JU/SJ
 Sample : J2526-12 10X
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

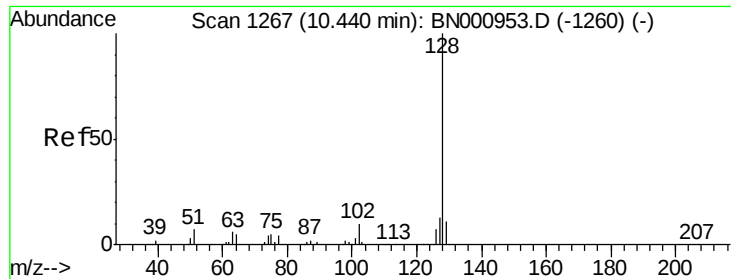
Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Apr 27 09:27:33 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	7.62	152	140366	20.00	ng/ul	0.00
2) Naphthalene-d8	10.39	136	563790	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.26	164	264729	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.01	188	500778	20.00	ng/ul	0.00
17) Chrysene-d12	21.22	240	461553	20.00	ng/ul	0.00
22) Perylene-d12	23.42	264	533167	20.00	ng/ul	0.01
System Monitoring Compounds						
7) Acenaphthylene-d8	13.95	160	81834	3.22	ng/ul	0.00
10) Fluorene-d10	15.25	176	57327	3.38	ng/ul	0.00
14) Anthracene-d10	17.10	188	79671	3.48	ng/ul	0.00
18) Pyrene-d10	19.41	212	81343	3.44	ng/ul	0.00
25) Benzo(a)pyrene-d12	23.28	264	90899	3.61	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.44	128	417537	14.695	ng/ul	100
4) 2-Methylnaphthalene	12.06	142	205298	10.829	ng/ul	99
5) 1-Methylnaphthalene	12.28	142	206839	11.124	ng/ul#	93
8) Acenaphthylene	13.97	152	67823	2.695	ng/ul#	93
9) Acenaphthene	14.32	153	303053	17.431	ng/ul	96
11) Fluorene	15.31	166	262800	14.199	ng/ul	92
13) Phenanthrene	17.06	178	3634334	133.064	ng/ul	98
15) Anthracene	17.14	178	952778	34.779	ng/ul	99
16) Fluoranthene	19.09	202	4198986	151.529	ng/ul	97
19) Pyrene	19.45	202	3713468	125.259	ng/ul#	93
20) Benzo(a)anthracene	21.20	228	2223654	80.595	ng/ul	96
21) Chrysene	21.26	228	2068707	79.773	ng/ul	96
23) Benzo(b)fluoranthene	22.77	252	3794639	125.235	ng/ul#	97
24) Benzo(k)fluoranthene	22.77	252	3009851	101.515	ng/ul#	97
26) Benzo(a)pyrene	23.33	252	2055359	70.979	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	25.62	276	1454662	41.591	ng/ul#	91
28) Dibenzo(a,h)anthracene	25.62	278	434280	14.898	ng/ul#	81
29) Benzo(g,h,i)perylene	26.29	276	1144017	39.108	ng/ul#	93

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





#3

Naphthalene

Concen: 14.695 ng/ul

RT: 10.44 min Scan# 1267

Delta R.T. 0.00 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Instrument :

BNA_N

ClientSampleId :

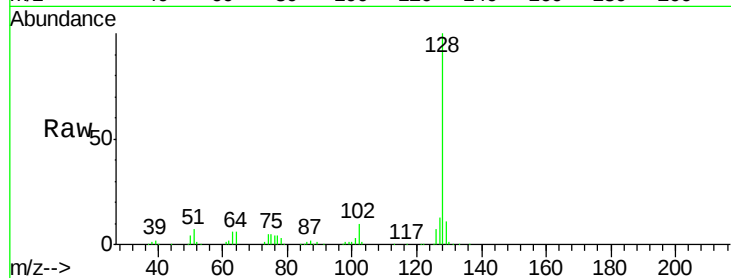
Tot Ion:128 Resp: 417537

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

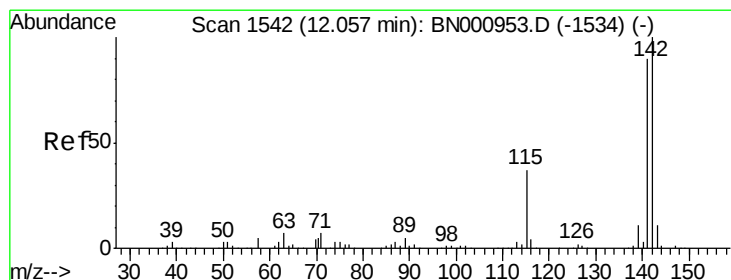
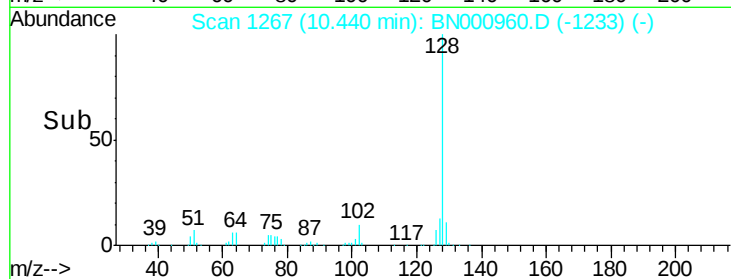
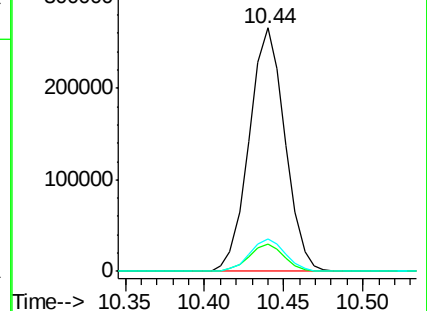
127 13.2 10.6 16.0



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: 10.829 ng/ul

RT: 12.06 min Scan# 1542

Delta R.T. 0.00 min

Lab File: BN000960.D

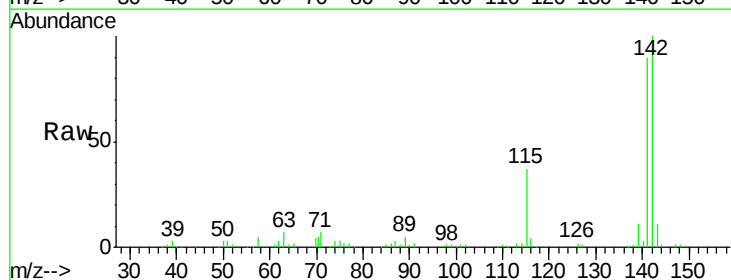
Acq: 27 Apr 2018 07:30

Tgt Ion:142 Resp: 205298

Ion Ratio Lower Upper

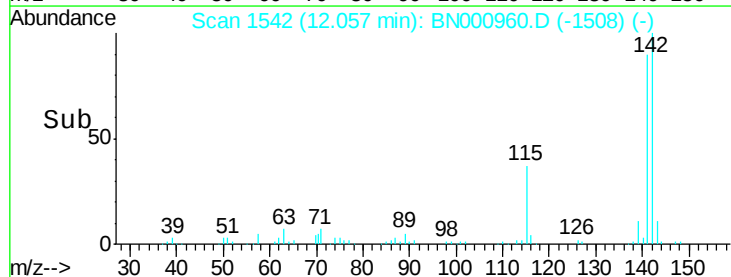
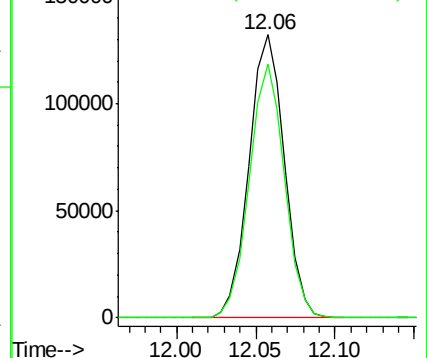
142 100

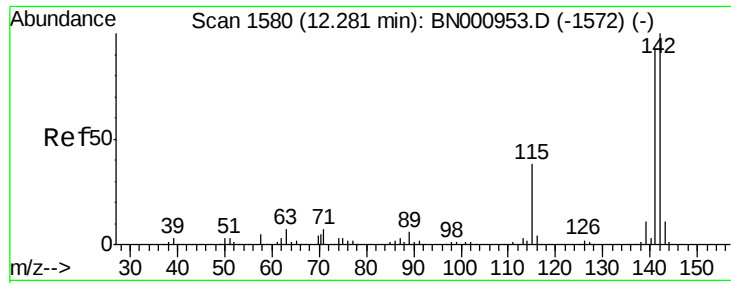
141 89.6 72.7 109.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 11.124 ng/ul

RT: 12.28 min Scan# 1580

Delta R.T. 0.00 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Instrument :

BNA_N

ClientSampleId :

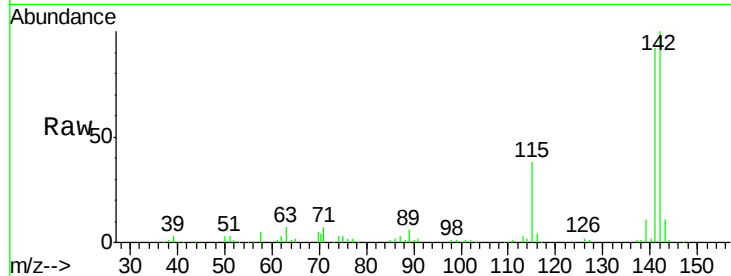
Tot Ion:142 Resp: 206839

Ion Ratio Lower Upper

142 100

141 92.0 79.3 118.9

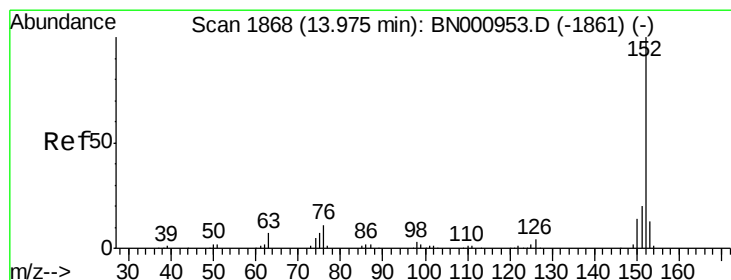
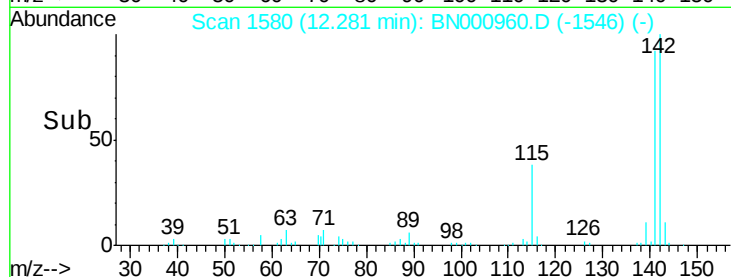
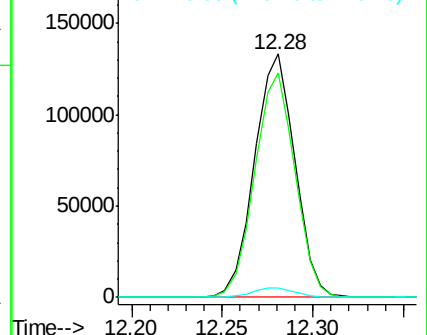
116 4.1 4.2 6.2#



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



#8

Acenaphthylene

Concen: 2.695 ng/ul

RT: 13.97 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

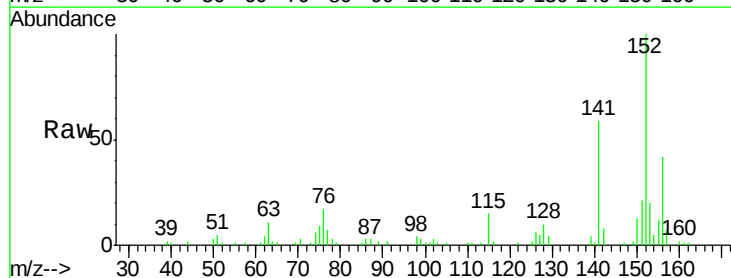
Tgt Ion:152 Resp: 67823

Ion Ratio Lower Upper

152 100

151 20.8 16.7 25.1

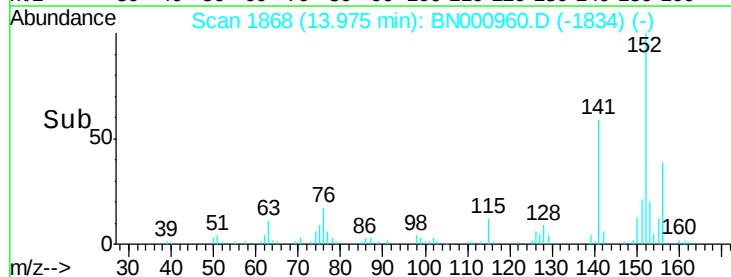
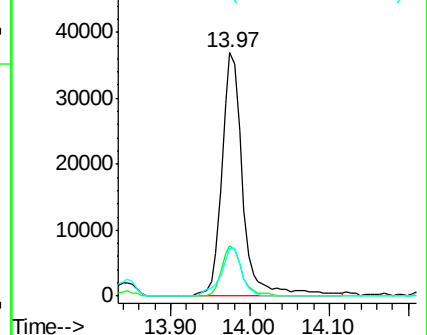
153 19.6 10.2 15.4#

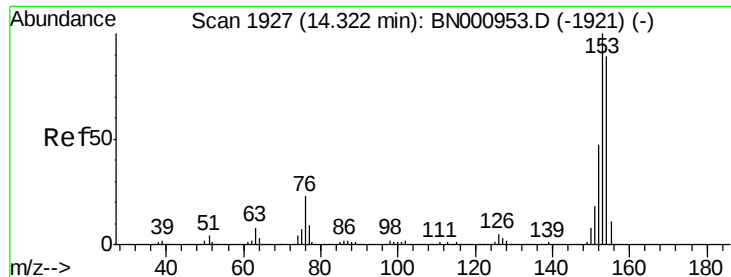


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 17.431 ng/ul

RT: 14.32 min Scan# 1927

Delta R.T. 0.00 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Instrument :

BNA_N

ClientSampleId :

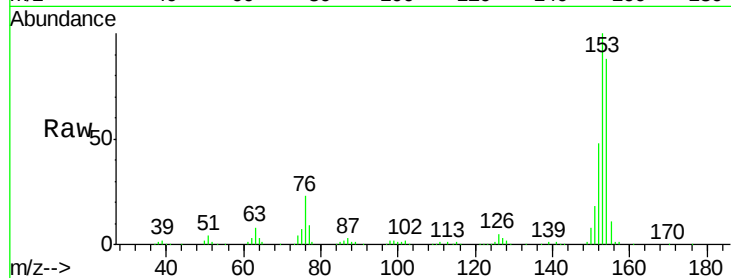
Tot Ion:153 Resp: 303053

Ion Ratio Lower Upper

153 100

152 47.8 39.0 58.6

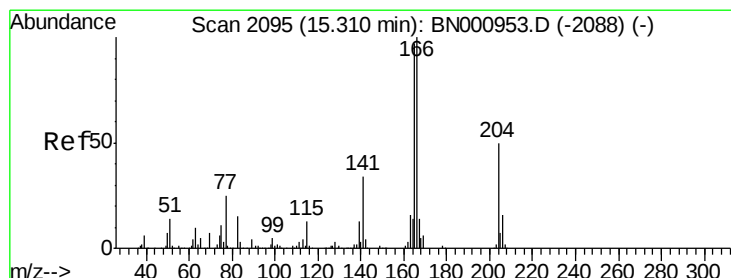
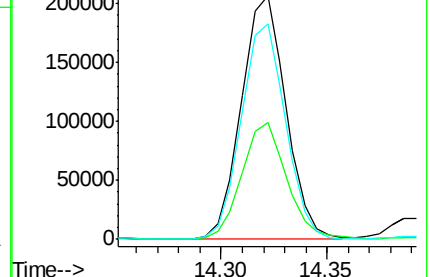
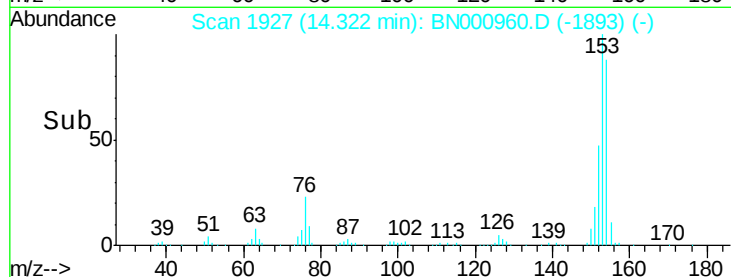
154 88.3 66.8 100.2



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: 14.199 ng/ul

RT: 15.31 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

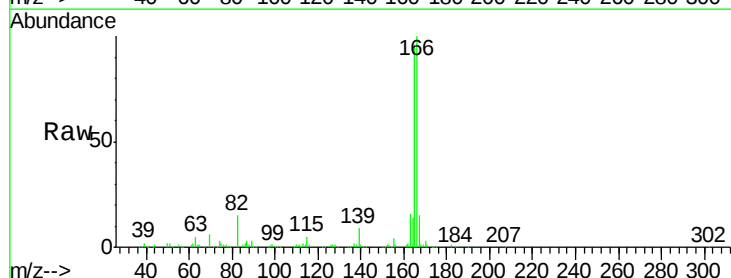
Tgt Ion:166 Resp: 262800

Ion Ratio Lower Upper

166 100

165 95.5 83.8 125.8

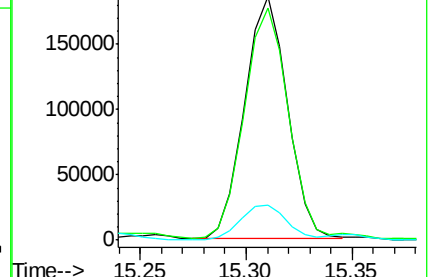
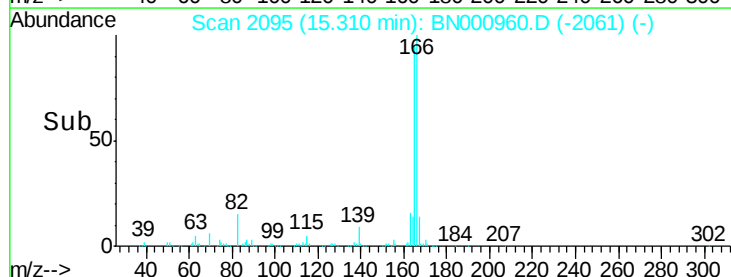
167 14.6 11.5 17.3

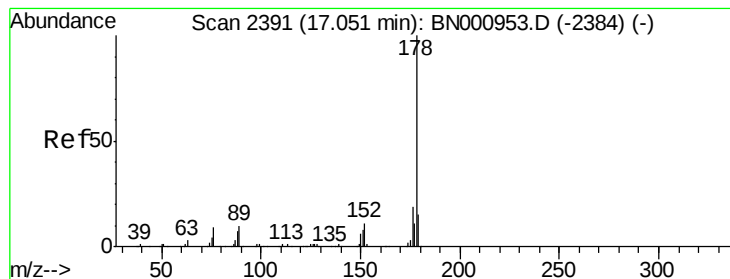


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 133.064 ng/ul

RT: 17.06 min Scan# 2392

Delta R.T. 0.01 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Instrument :

BNA_N

ClientSampleId :

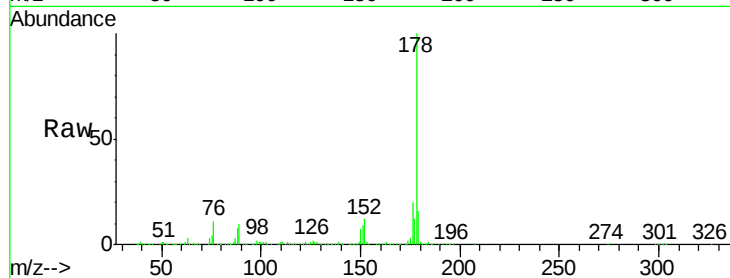
Tot Ion:178 Resp: 3634334

Ion Ratio Lower Upper

178 100

179 15.9 12.3 18.5

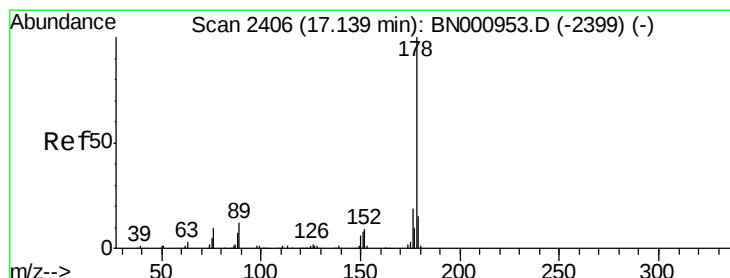
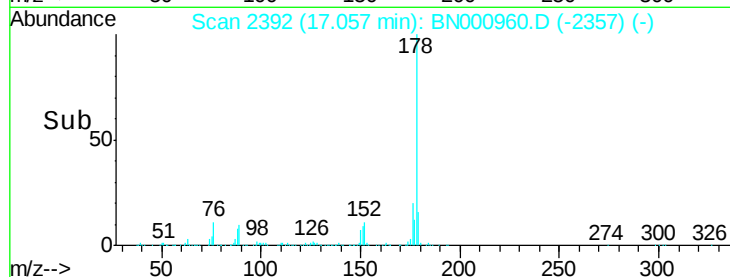
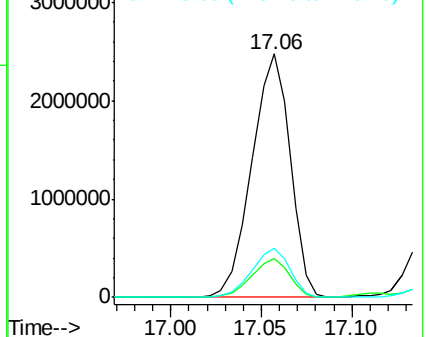
176 19.9 15.1 22.7



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: 34.779 ng/ul

RT: 17.14 min Scan# 2406

Delta R.T. 0.00 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

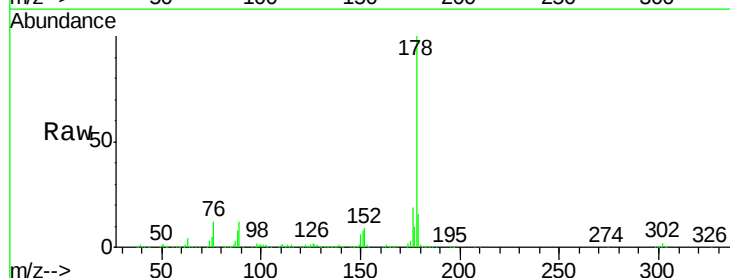
Tgt Ion:178 Resp: 952778

Ion Ratio Lower Upper

178 100

179 15.6 11.8 17.8

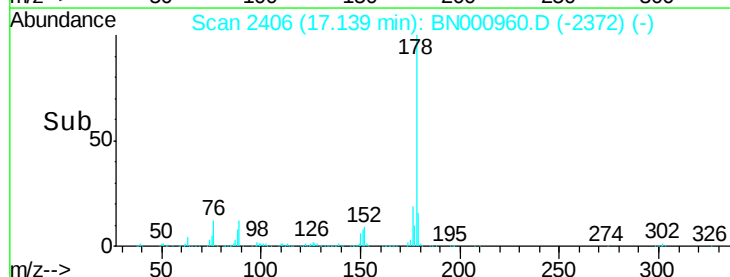
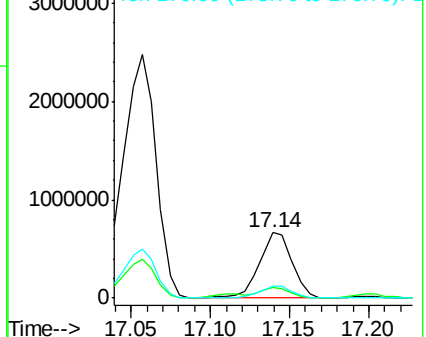
176 18.7 15.2 22.8

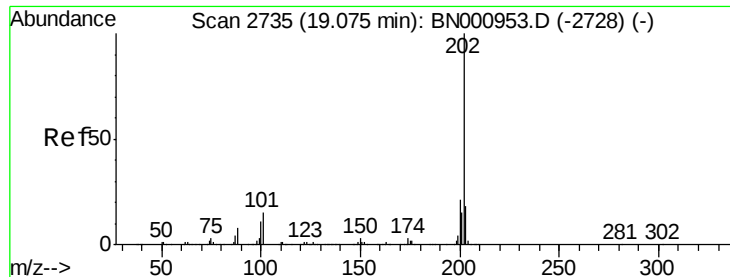


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

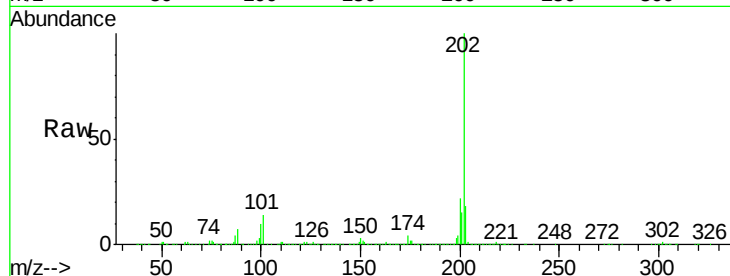




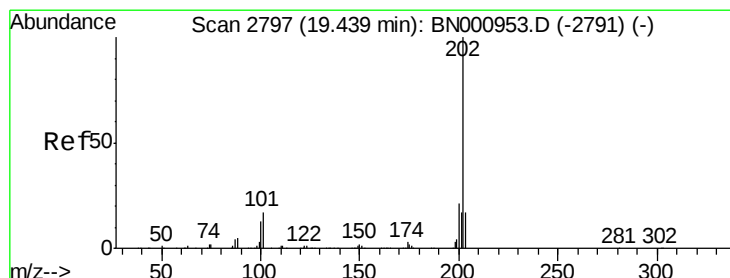
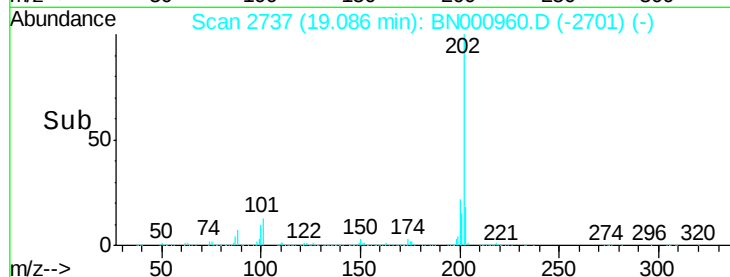
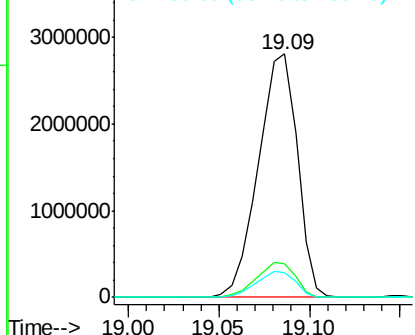
#16
 Fluoranthene
 Concen: 151.529 ng/ul
 RT: 19.09 min Scan# 2737
 Delta R.T. 0.01 min
 Lab File: BN000960.D
 Acq: 27 Apr 2018 07:30

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:202 Resp: 4198986
 Ion Ratio Lower Upper
 202 100
 101 13.6 9.9 14.9
 100 10.4 7.4 11.0

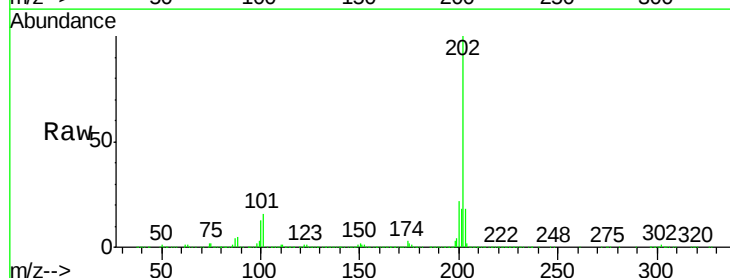


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

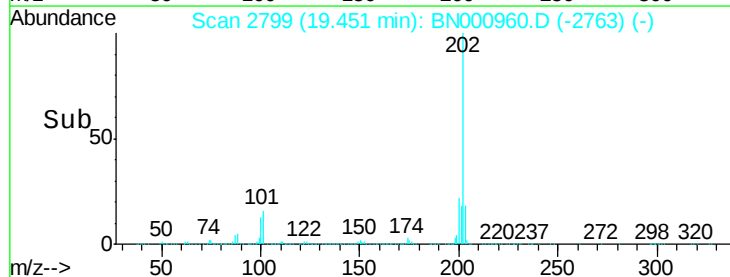
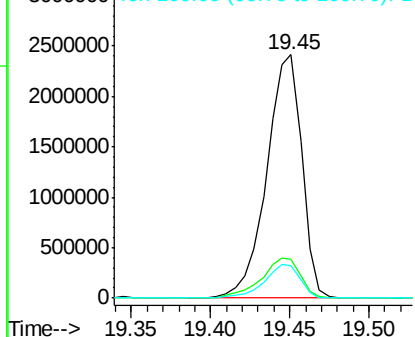


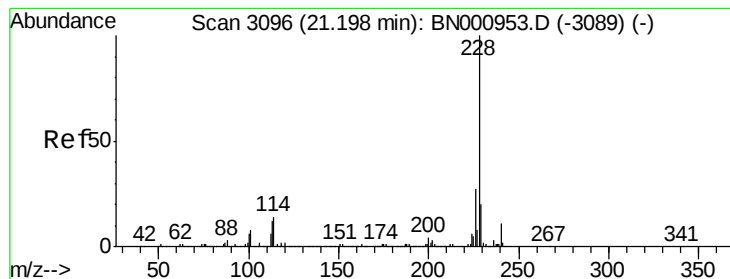
#19
 Pyrene
 Concen: 125.259 ng/ul
 RT: 19.45 min Scan# 2799
 Delta R.T. 0.01 min
 Lab File: BN000960.D
 Acq: 27 Apr 2018 07:30

Tgt Ion:202 Resp: 3713468
 Ion Ratio Lower Upper
 202 100
 101 16.1 11.0 16.4
 100 13.2 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: 80.595 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. 0.01 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Instrument :

BNA_N

ClientSampleId :

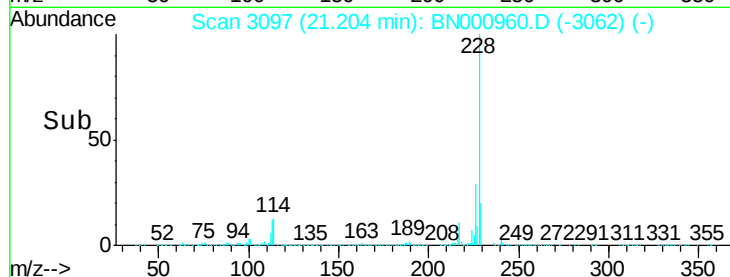
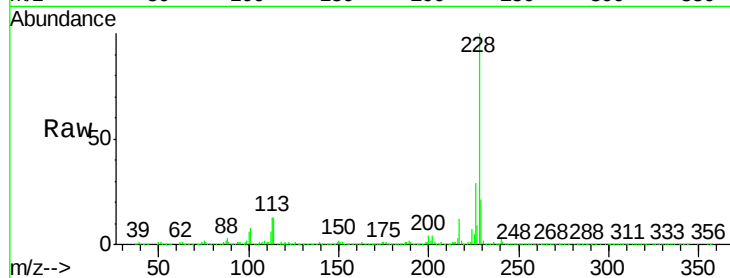
Tot Ion:228 Resp: 2223654

Ion Ratio Lower Upper

228 100

229 21.1 15.7 23.5

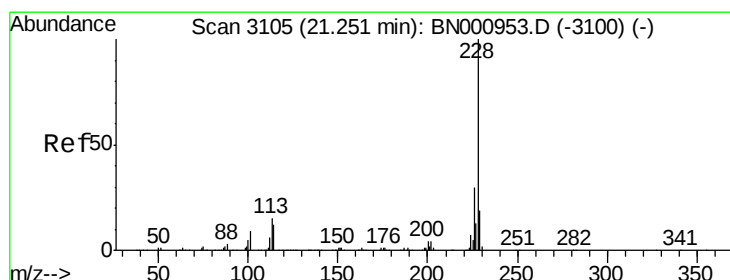
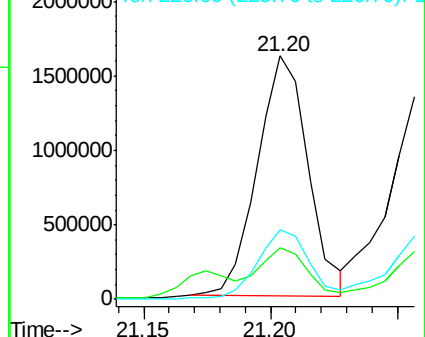
226 28.8 21.1 31.7



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: 79.773 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. 0.01 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

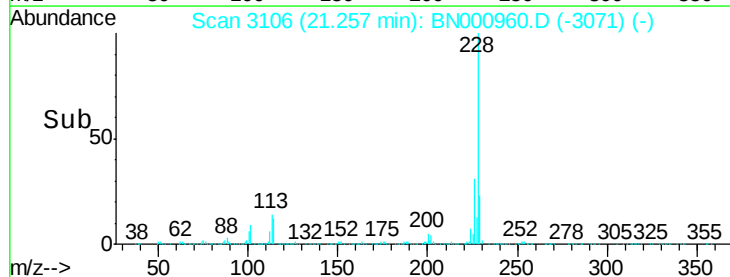
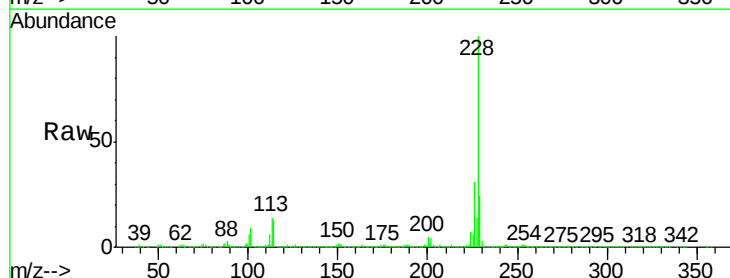
Tgt Ion:228 Resp: 2068707

Ion Ratio Lower Upper

228 100

226 30.9 24.5 36.7

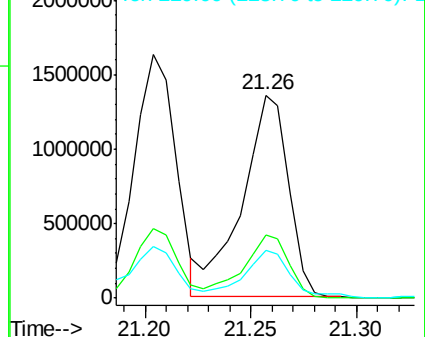
229 23.5 15.8 23.8

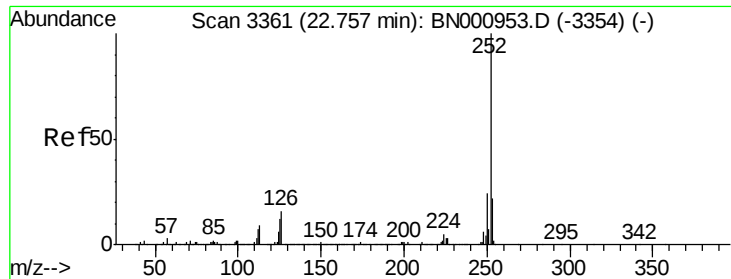


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 125.235 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. 0.02 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Instrument :

BNA_N

ClientSampleId :

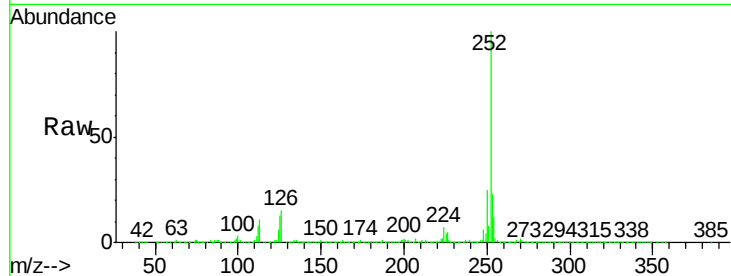
Tot Ion:252 Resp: 3794639

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

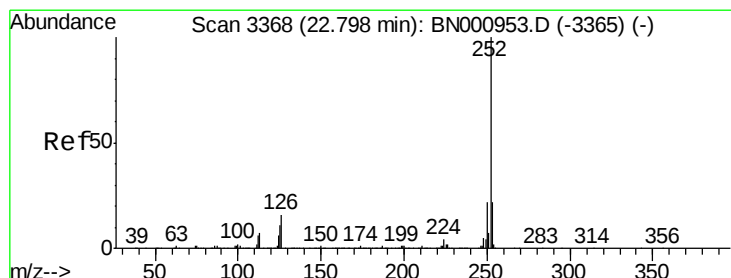
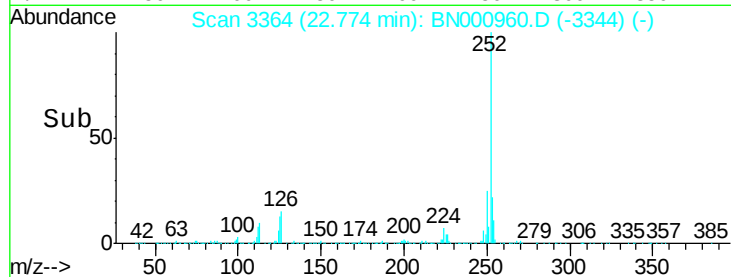
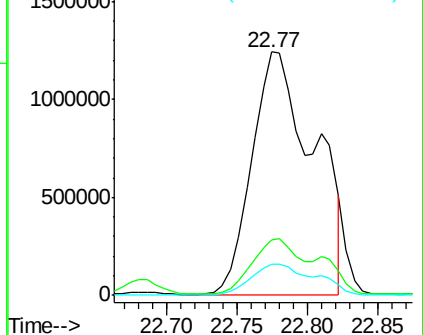
125 12.9 8.0 12.0#



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: 101.515 ng/ul

RT: 22.77 min Scan# 3364

Delta R.T. -0.02 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

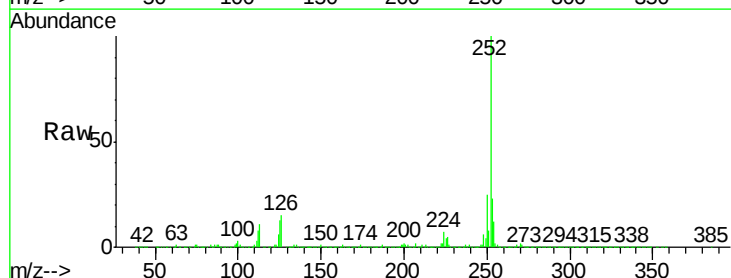
Tgt Ion:252 Resp: 3009851

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

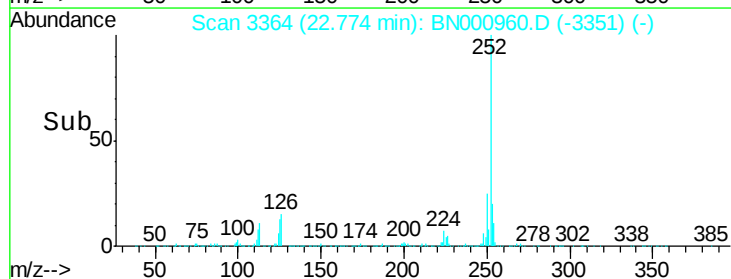
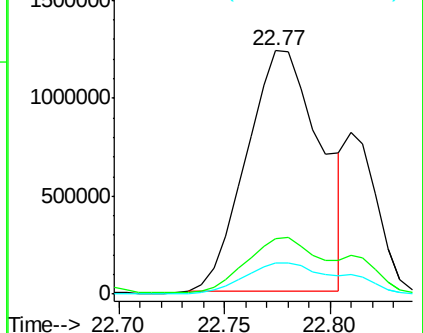
125 12.9 8.1 12.1#

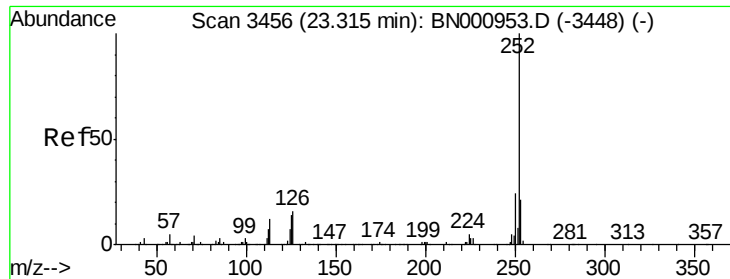


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 70.979 ng/u1

RT: 23.33 min Scan# 3459

Delta R.T. 0.02 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Instrument :

BNA_N

ClientSampleId :

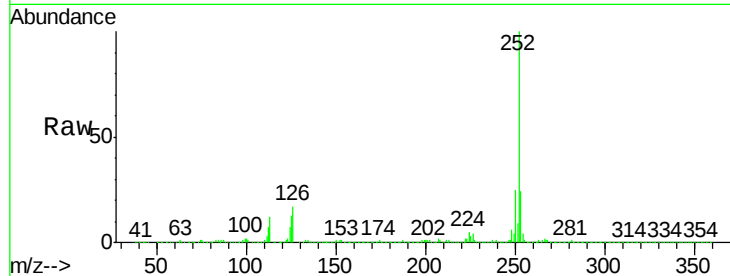
Tot Ion:252 Resp: 2055359

Ion Ratio Lower Upper

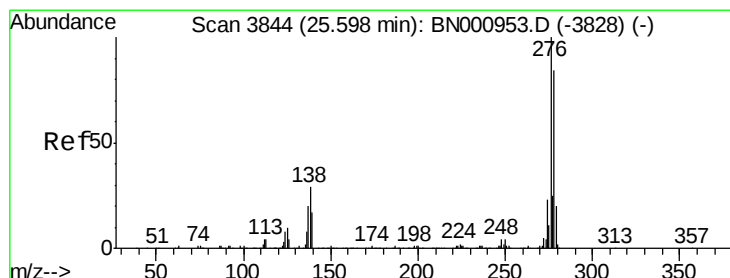
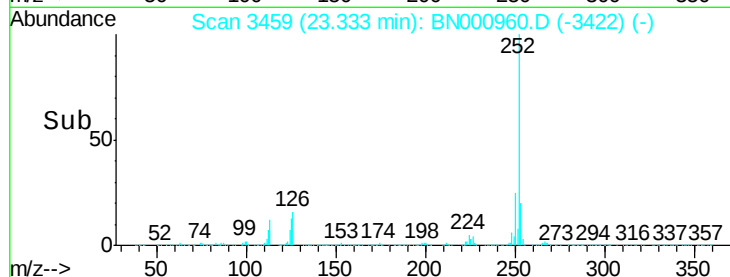
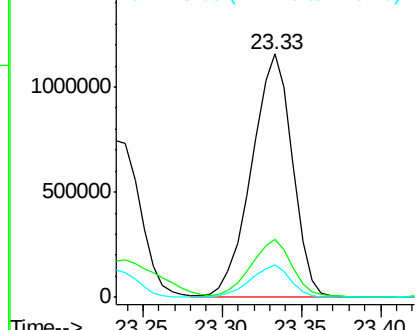
252 100

253 23.7 17.2 25.8

125 13.2 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: 41.591 ng/u1

RT: 25.62 min Scan# 3848

Delta R.T. 0.02 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

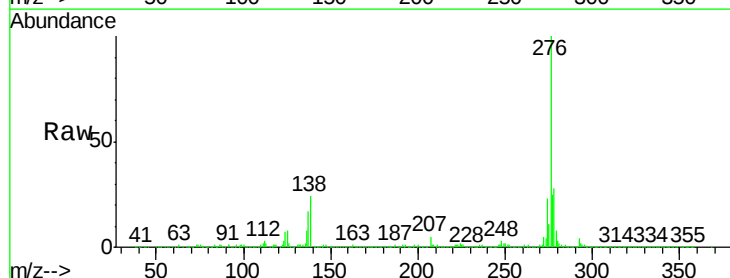
Tgt Ion:276 Resp: 1454662

Ion Ratio Lower Upper

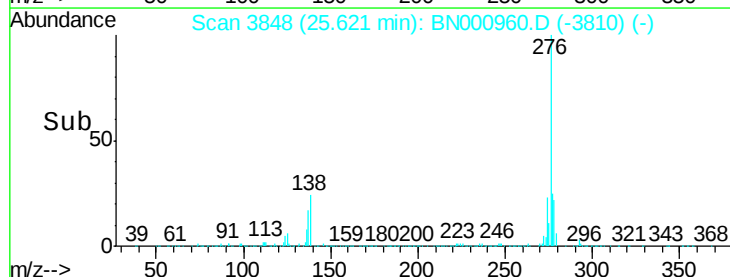
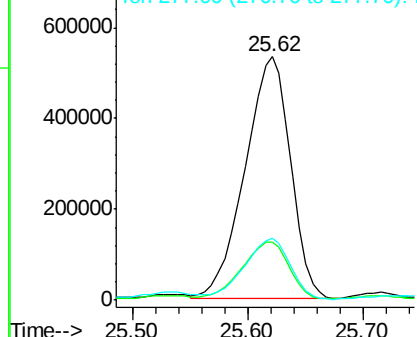
276 100

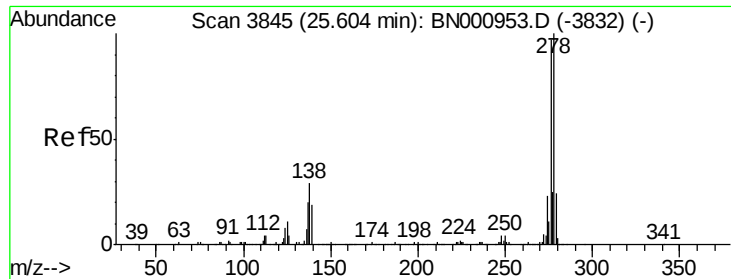
138 23.7 14.4 21.6#

277 25.3 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: 14.898 ng/ul

RT: 25.62 min Scan# 3848

Delta R.T. 0.02 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

Instrument :

BNA_N

ClientSampleId :

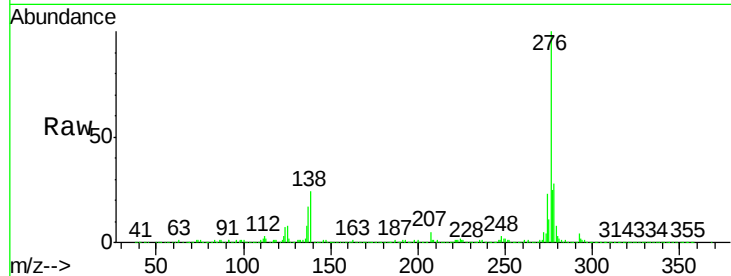
Tot Ion:278 Resp: 434280

Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.4#

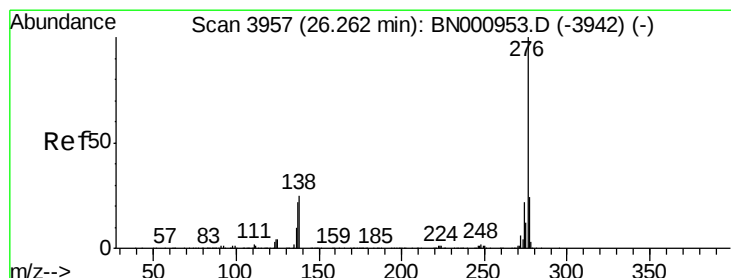
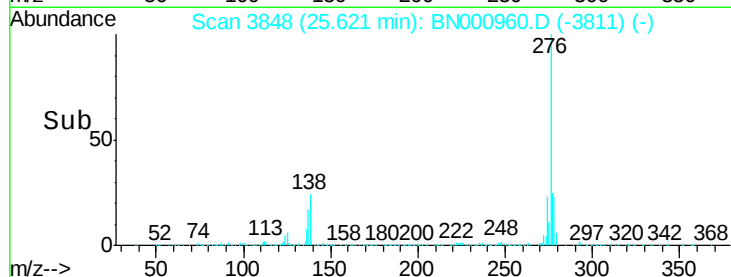
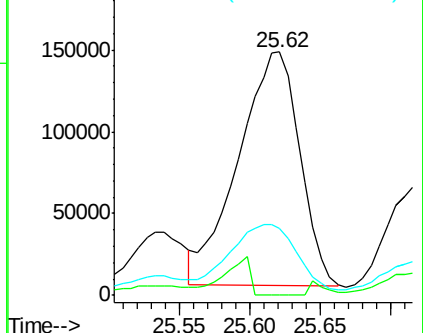
279 27.5 19.2 28.8



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: 39.108 ng/ul

RT: 26.29 min Scan# 3962

Delta R.T. 0.03 min

Lab File: BN000960.D

Acq: 27 Apr 2018 07:30

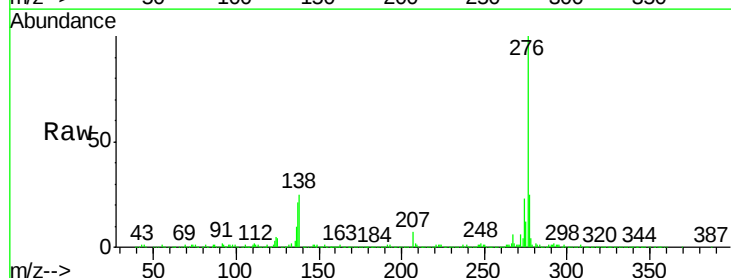
Tgt Ion:276 Resp: 1144017

Ion Ratio Lower Upper

276 100

138 25.2 15.3 22.9#

277 24.7 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

