

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032718\
 Data File : BN000648.D
 Acq On : 27 Mar 2018 15:54
 Operator : JU/SJ
 Sample : J2060-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 28 01:37:58 2018
 Quant Method : Z:\HPCHEM1\BNA N\METHODS\SOM-EPA-BN031918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 28 01:35:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.41	152	156931	20.00	ng/ul	0.00
18) Naphthalene-d8	11.25	136	699077	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.02	164	403490	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.75	188	854310	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	774949	20.00	ng/ul	0.00
83) Perylene-d12	24.35	264	667416	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	20226	4.60	ng/uL	0.00
5) Phenol-d5	7.55	99	373389	25.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.71	67	235598	27.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.93	132	285792	25.82	ng/ul	0.00
13) 4-Methylphenol-d8	9.12	113	304062	26.66	ng/ul	0.00
19) Nitrobenzene-d5	9.59	128	144834	25.51	ng/ul	0.00
22) 2-Nitrophenol-d4	10.32	143	156409	26.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.87	165	263422	24.98	ng/ul	0.00
29) 4-Chloroaniline-d4	11.37	131	391505	36.18	ng/ul	-0.01
43) Dimethylphthalate-d6	14.41	166	892689	28.00	ng/ul	0.00
46) Acenaphthylene-d8	14.72	160	1117611	26.58	ng/ul	0.00
51) 4-Nitrophenol-d4	15.22	143	112615	19.03	ng/ul	0.00
57) Fluorene-d10	16.01	176	739413	27.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.13	200	94064	19.23	ng/ul	0.00
70) Anthracene-d10	17.85	188	1116937	27.20	ng/ul	0.00
76) Pyrene-d10	20.11	212	1165577	27.25	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.19	264	885382	28.11	ng/ul	0.00

Target Compounds

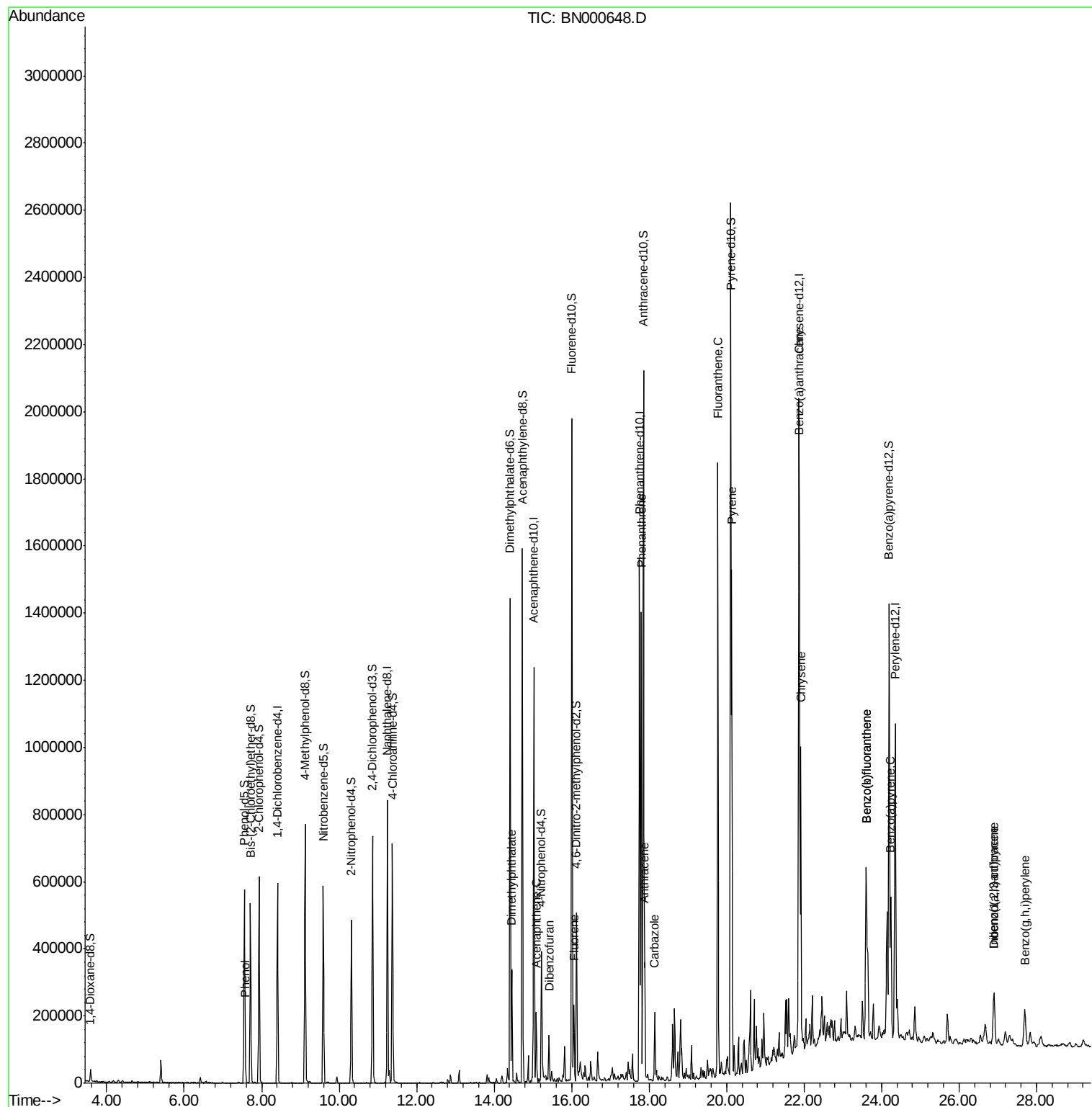
					Ovalue	
6) Phenol	7.58	94	23896	1.600	ng/ul	97
44) Dimethylphthalate	14.46	163	195026	6.185	ng/ul#	99
49) Acenaphthene	15.09	153	79584	2.833	ng/ul	99
53) Dibenzofuran	15.42	168	70466	1.847	ng/ul	96
58) Fluorene	16.07	166	98836	3.260	ng/ul	99
69) Phenanthrene	17.80	178	777964	15.807	ng/ul	100
71) Anthracene	17.88	178	223671	4.432	ng/ul	97
72) Carbazole	18.15	167	109782	2.537	ng/ul	97
74) Fluoranthene	19.78	202	1014948	20.753	ng/ul#	83
77) Pyrene	20.14	202	785008	13.869	ng/ul#	77
80) Benzo(a)anthracene	21.86	228	501557	9.714	ng/ul	99
82) Chrysene	21.91	228	458325	9.468	ng/ul	99
85) Benzo(b)fluoranthene	23.60	252	476253	11.293	ng/ul#	93
86) Benzo(k)fluoranthene	23.60	252	476253	11.698	ng/ul#	93
88) Benzo(a)pyrene	24.25	252	304110	7.662	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	26.90	276	143494	3.353	ng/ul#	85
90) Dibenzo(a,h)anthracene	26.91	278	45490	1.276	ng/ul#	89
91) Benzo(g,h,i)perylene	27.69	276	121193	3.408	ng/ul#	86

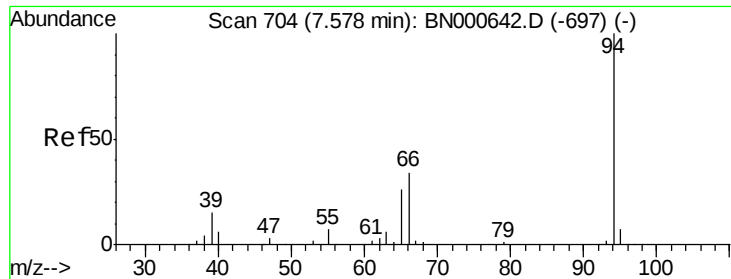
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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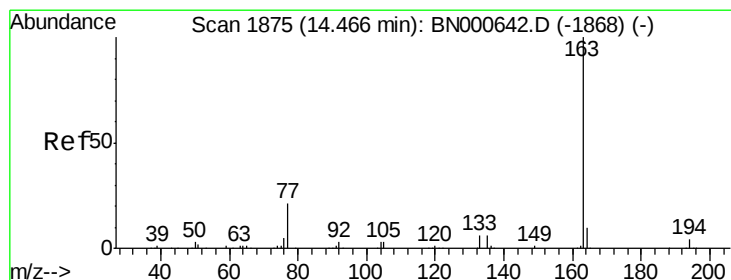
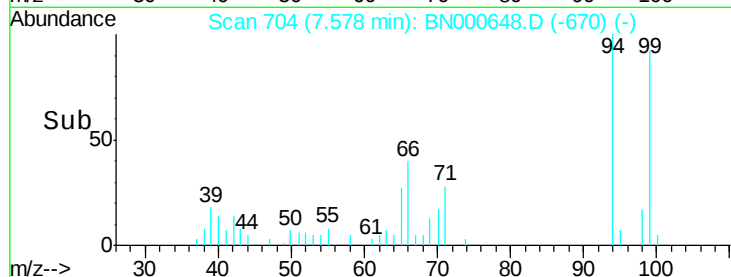
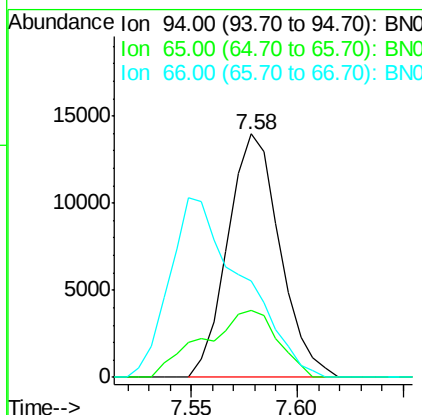
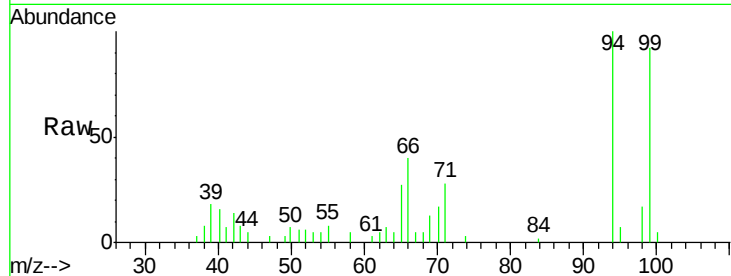


#6
 Phenol
 Concen: 1.600 ng/ul
 RT: 7.58 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: BN000648.D
 Acq: 27 Mar 2018 15:54

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 94 Resp: 23896

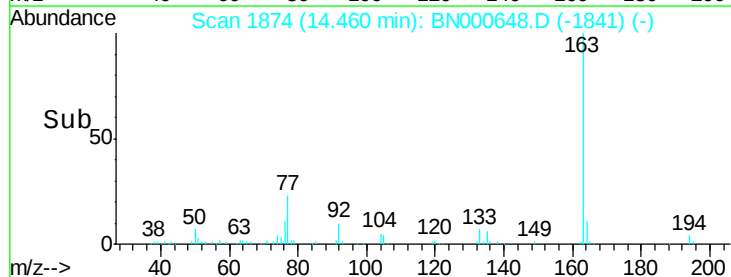
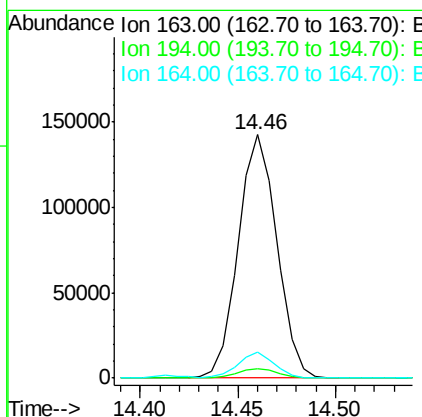
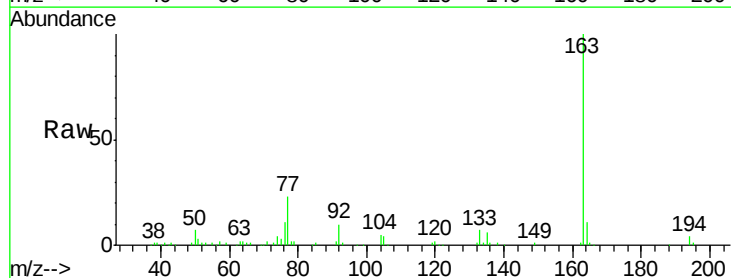
Ion	Ratio	Lower	Upper
94	100		
65	27.3	23.0	34.6
66	39.8	30.4	45.6

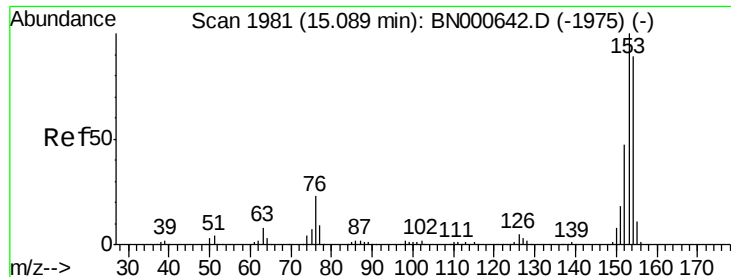


#44
 Dimethylphthalate
 Concen: 6.185 ng/ul
 RT: 14.46 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BN000648.D
 Acq: 27 Mar 2018 15:54

Tgt Ion: 163 Resp: 195026

Ion	Ratio	Lower	Upper
163	100		
194	3.9	4.0	6.0#
164	10.6	8.4	12.6





#49

Acenaphthene

Concen: 2.833 ng/ul

RT: 15.09 min Scan# 1981

Delta R.T. -0.00 min

Lab File: BN000648.D

Acq: 27 Mar 2018 15:54

Instrument :

BNA_N

ClientSampleId :

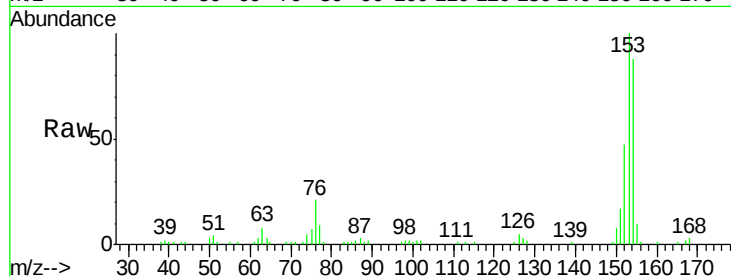
Tot Ion:153 Resp: 79584

Ion Ratio Lower Upper

153 100

152 47.2 37.9 56.9

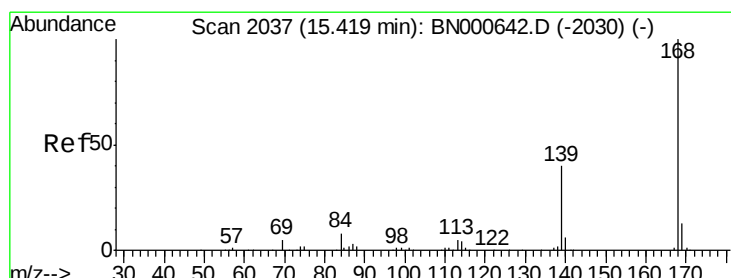
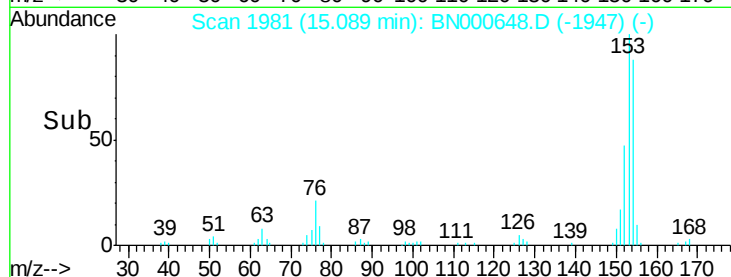
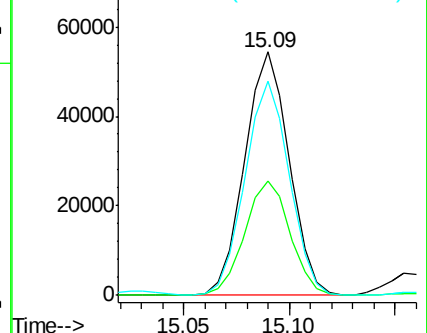
154 88.2 69.8 104.6



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



#53

Dibenzofuran

Concen: 1.847 ng/ul

RT: 15.42 min Scan# 2037

Delta R.T. -0.00 min

Lab File: BN000648.D

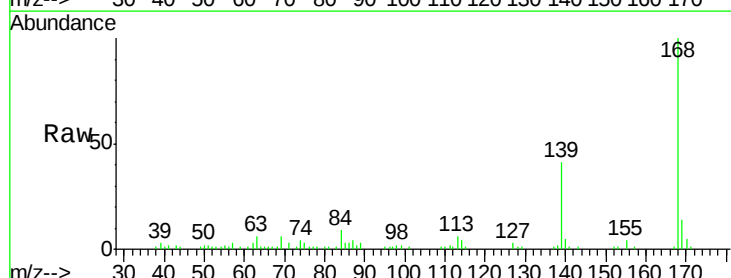
Acq: 27 Mar 2018 15:54

Tgt Ion:168 Resp: 70466

Ion Ratio Lower Upper

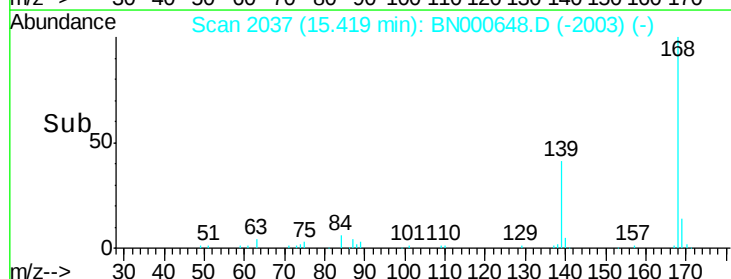
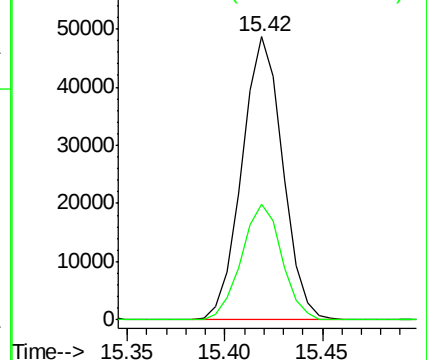
168 100

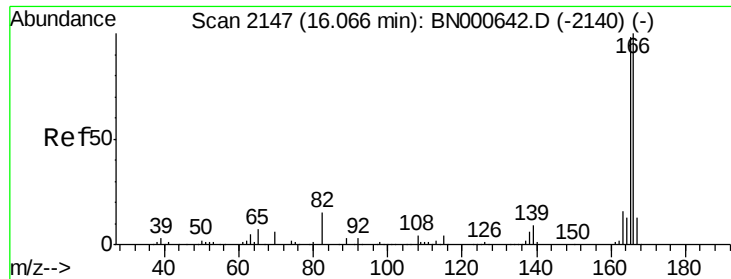
139 40.9 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 3.260 ng/ul

RT: 16.07 min Scan# 2147

Delta R.T. -0.00 min

Lab File: BN000648.D

Acq: 27 Mar 2018 15:54

Instrument :

BNA_N

ClientSampleId :

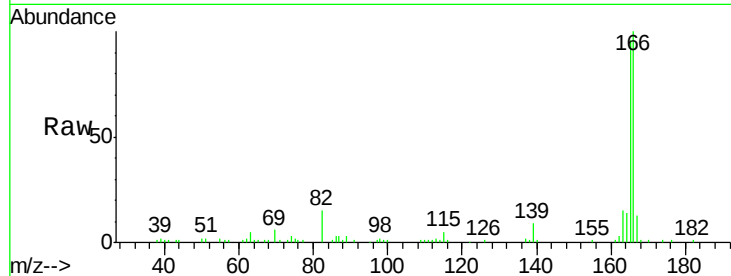
Tot Ion:166 Resp: 98836

Ion Ratio Lower Upper

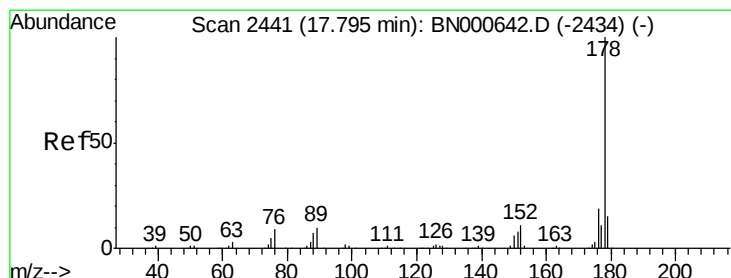
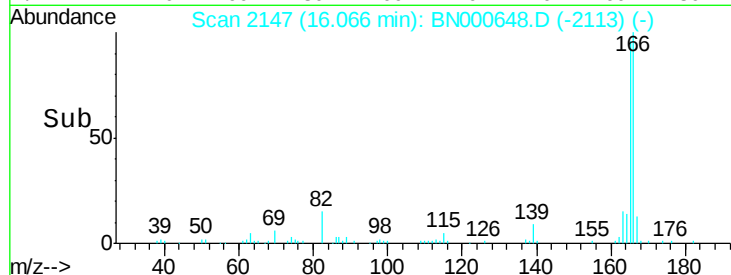
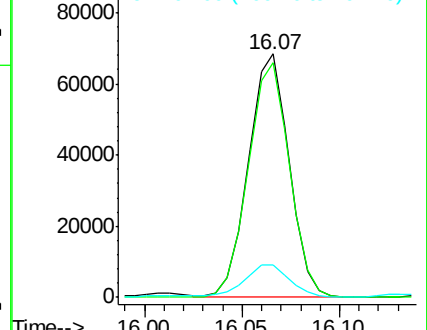
166 100

165 96.5 78.4 117.6

167 13.4 11.1 16.7



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



#69

Phenanthrene

Concen: 15.807 ng/ul

RT: 17.80 min Scan# 2441

Delta R.T. -0.00 min

Lab File: BN000648.D

Acq: 27 Mar 2018 15:54

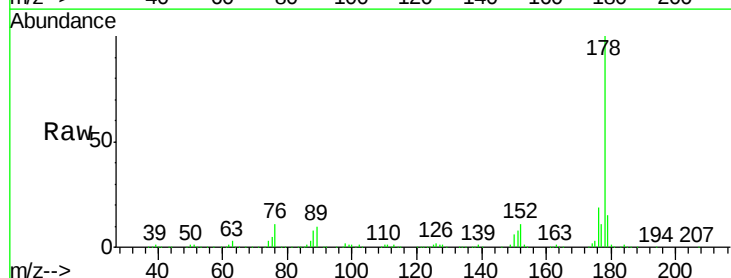
Tgt Ion:178 Resp: 777964

Ion Ratio Lower Upper

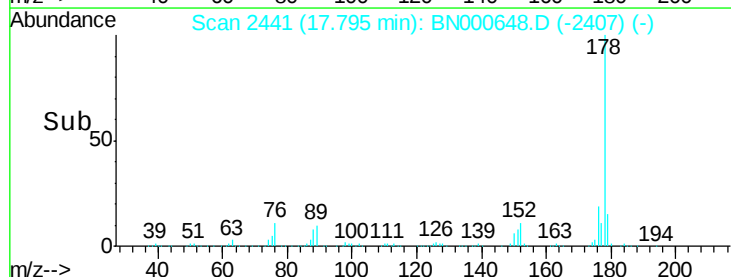
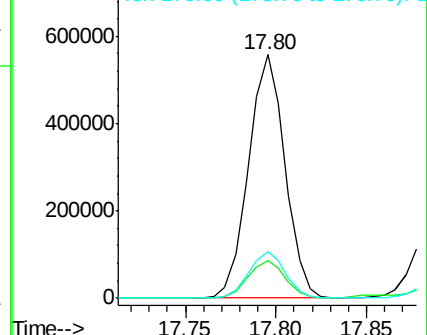
178 100

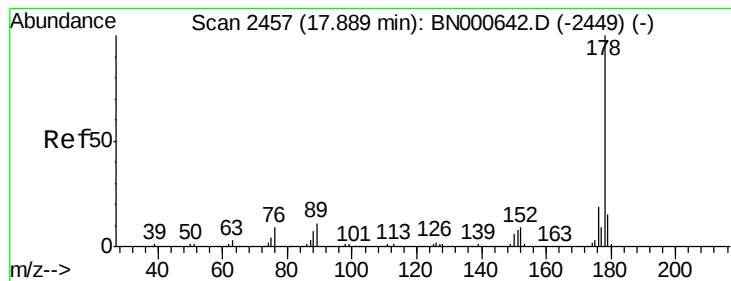
179 15.3 12.3 18.5

176 19.2 15.4 23.0



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





#71

Anthracene

Concen: 4.432 ng/ul

RT: 17.88 min Scan# 2456

Delta R.T. -0.01 min

Lab File: BN000648.D

Acq: 27 Mar 2018 15:54

Instrument :

BNA_N

ClientSampleId :

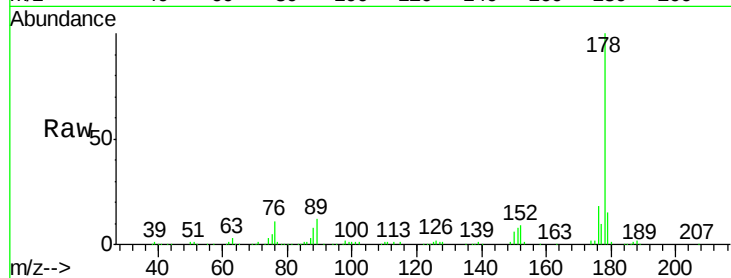
Tot Ion:178 Resp: 223671

Ion	Ratio	Lower	Upper
178	100		
179	15.4	13.4	20.2
176	18.2	15.4	23.0

178 100

179 15.4 13.4 20.2

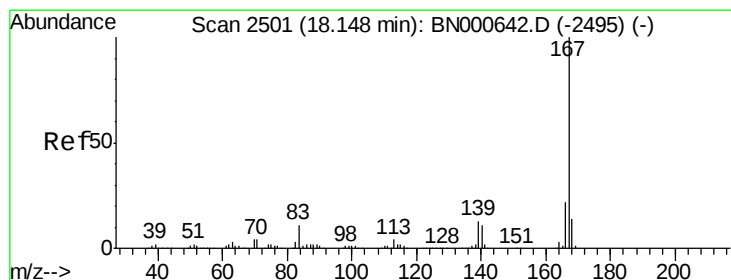
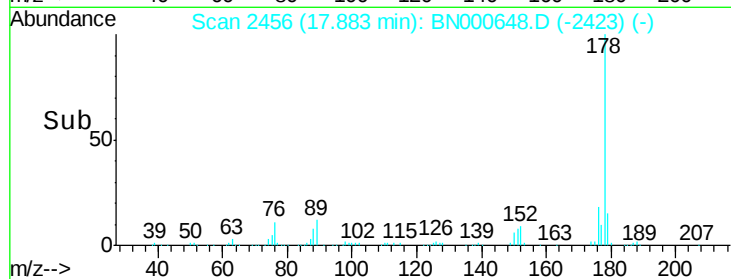
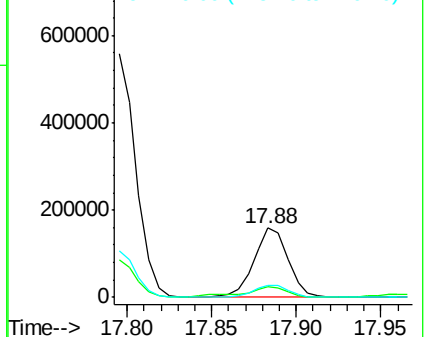
176 18.2 15.4 23.0



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



#72

Carbazole

Concen: 2.537 ng/ul

RT: 18.15 min Scan# 2501

Delta R.T. -0.00 min

Lab File: BN000648.D

Acq: 27 Mar 2018 15:54

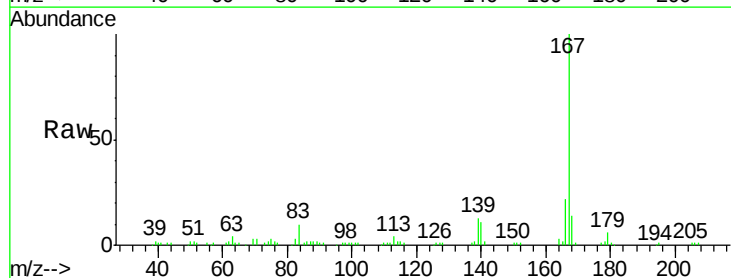
Tgt Ion:167 Resp: 109782

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.0	25.4
139	13.5	9.1	13.7

167 100

166 21.7 17.0 25.4

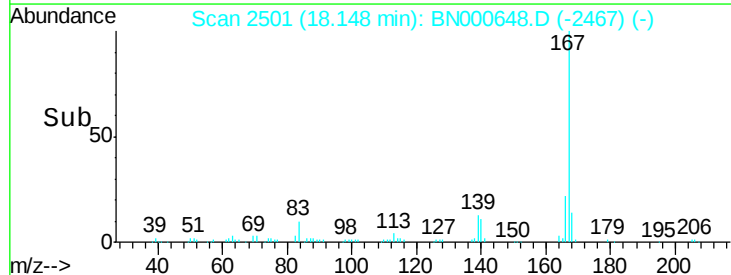
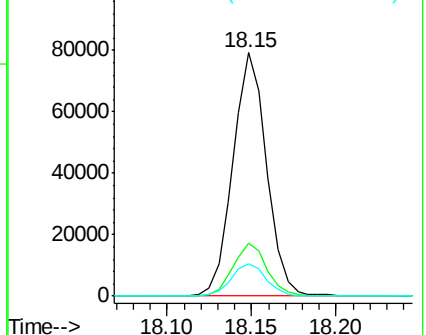
139 13.5 9.1 13.7

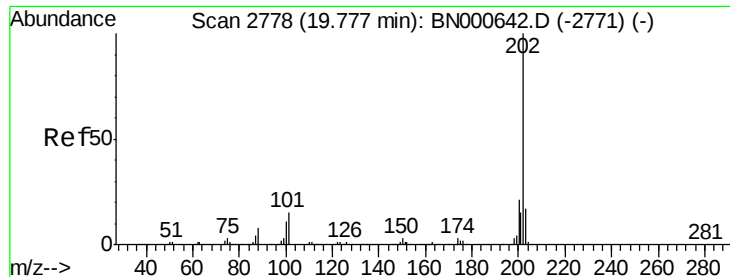


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 20.753 ng/ul

RT: 19.78 min Scan# 2778

Delta R.T. -0.00 min

Lab File: BN000648.D

Acq: 27 Mar 2018 15:54

Instrument :

BNA_N

ClientSampleId :

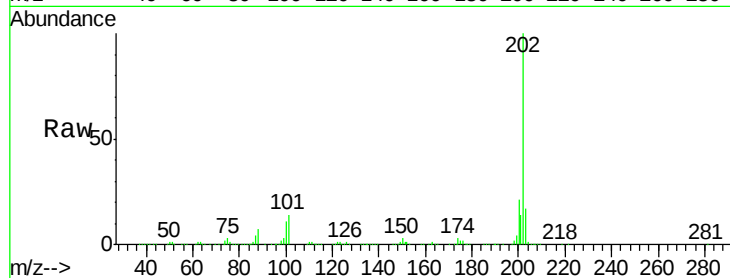
Tot Ion:202 Resp: 1014948

Ion Ratio Lower Upper

202 100

101 14.1 6.1 9.1#

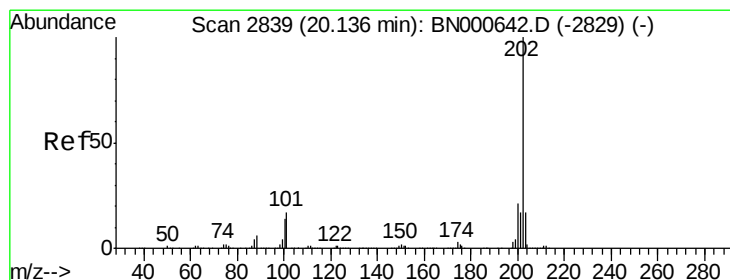
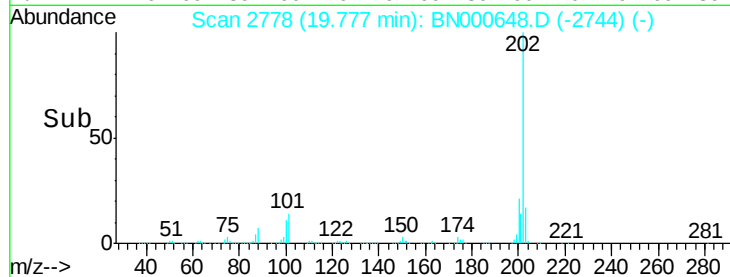
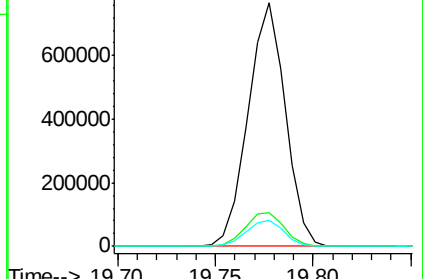
100 10.9 4.6 7.0#



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



#77

Pyrene

Concen: 13.869 ng/ul

RT: 20.14 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BN000648.D

Acq: 27 Mar 2018 15:54

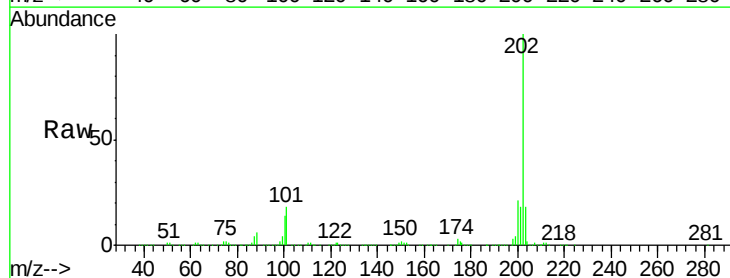
Tgt Ion:202 Resp: 785008

Ion Ratio Lower Upper

202 100

101 17.7 6.9 10.3#

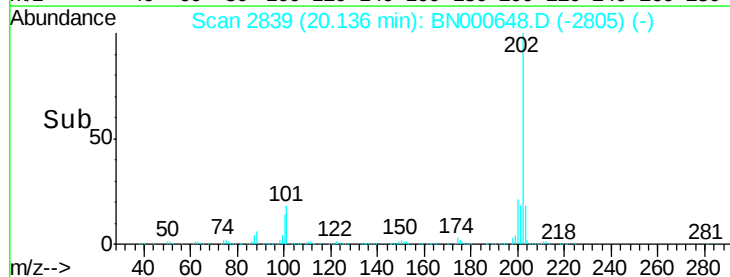
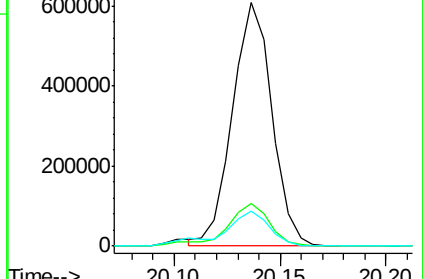
100 14.2 5.6 8.4#

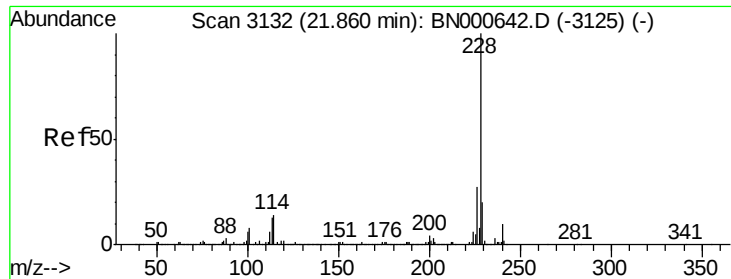


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 9.714 ng/ul

RT: 21.86 min Scan# 3132

Delta R.T. -0.00 min

Lab File: BN000648.D

Acq: 27 Mar 2018 15:54

Instrument :

BNA_N

ClientSampleId :

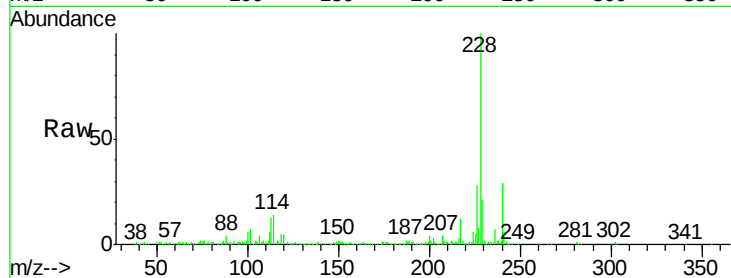
Tot Ion:228 Resp: 501557

Ion Ratio Lower Upper

228 100

229 20.6 16.0 24.0

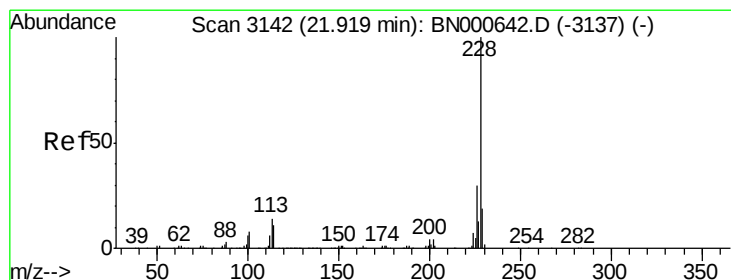
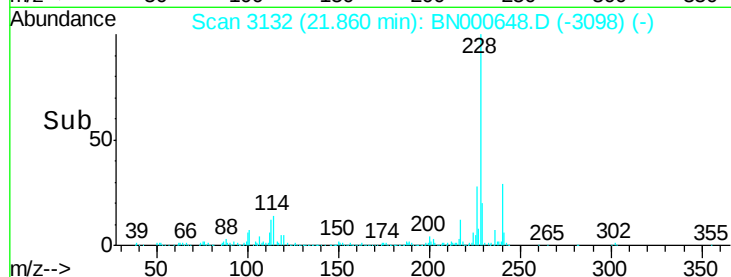
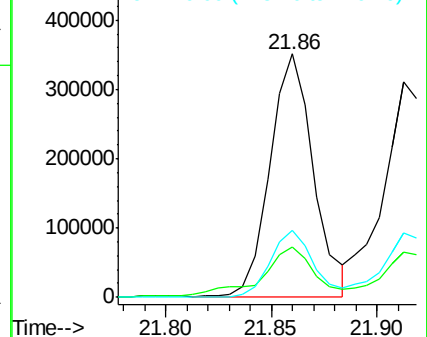
226 27.7 21.8 32.8



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



#82

Chrysene

Concen: 9.468 ng/ul

RT: 21.91 min Scan# 3141

Delta R.T. -0.01 min

Lab File: BN000648.D

Acq: 27 Mar 2018 15:54

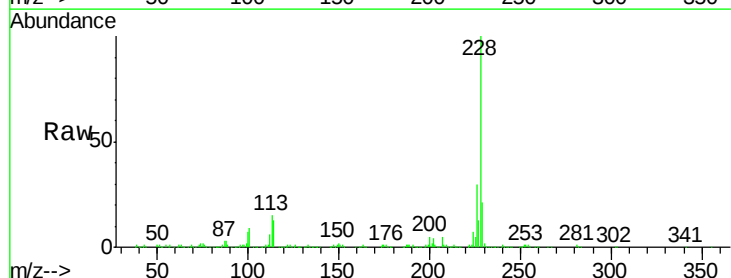
Tgt Ion:228 Resp: 458325

Ion Ratio Lower Upper

228 100

226 30.0 24.1 36.1

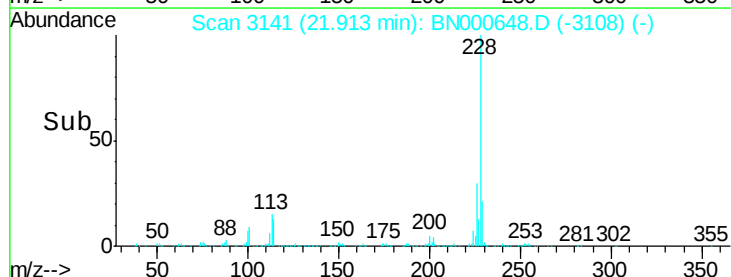
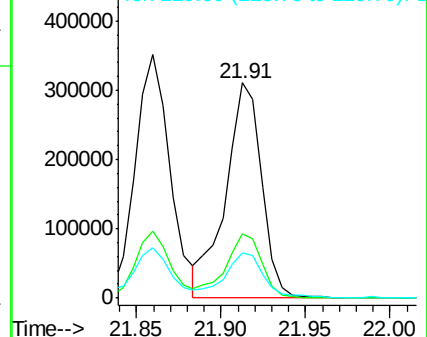
229 21.3 16.0 24.0

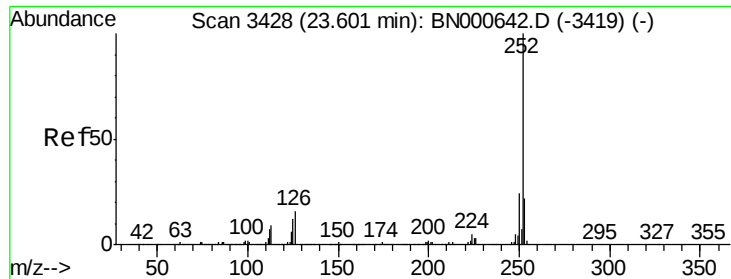


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

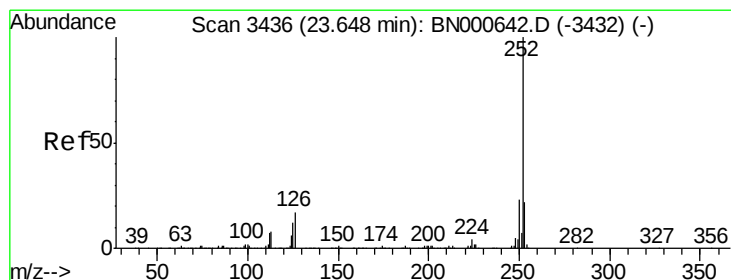
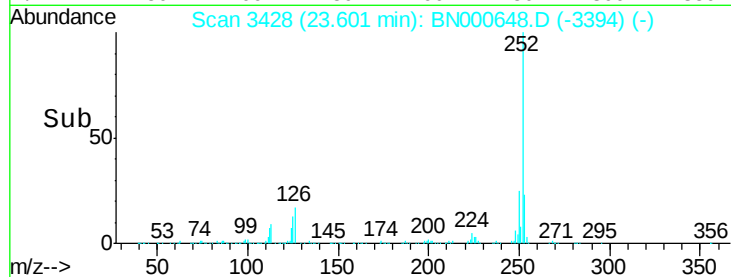
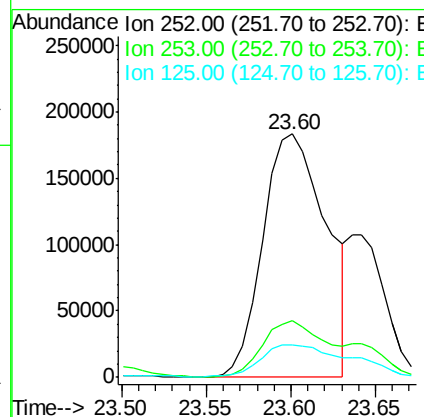
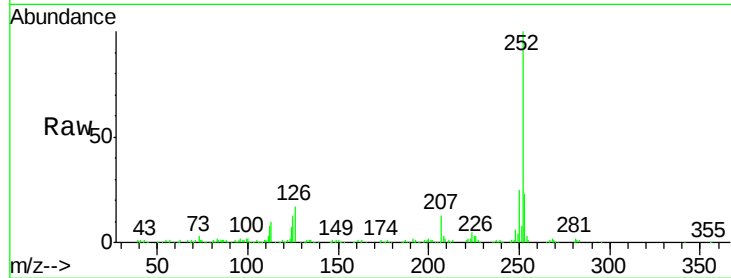




#85
Benzo(b)fluoranthene
Concen: 11.293 ng/ul
RT: 23.60 min Scan# 3428
Delta R.T. -0.00 min
Lab File: BN000648.D
Acq: 27 Mar 2018 15:54

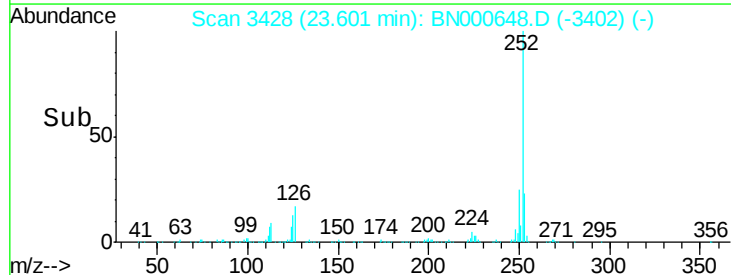
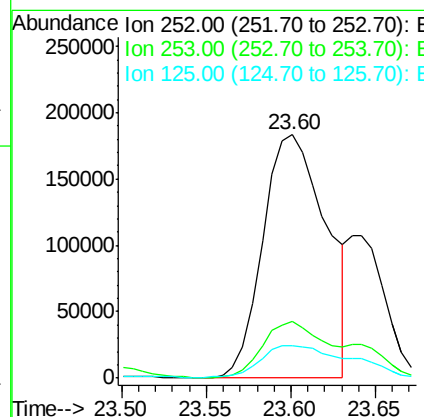
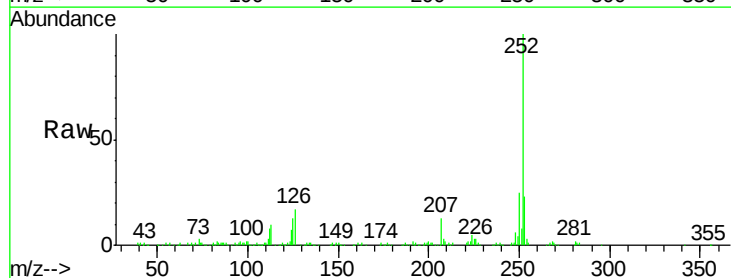
Instrument :
BNA_N
ClientSampleId :

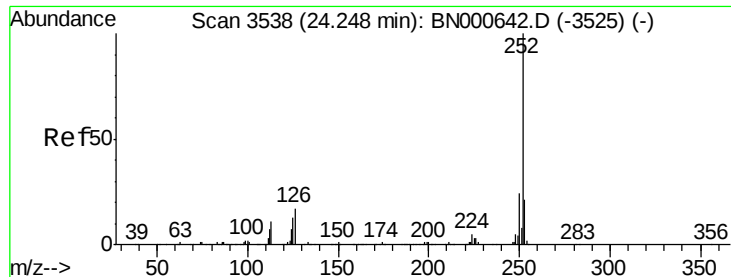
Tot Ion:252 Resp: 476253
Ion Ratio Lower Upper
252 100
253 23.3 17.4 26.0
125 13.1 4.9 7.3#



#86
Benzo(k)fluoranthene
Concen: 11.698 ng/ul
RT: 23.60 min Scan# 3428
Delta R.T. -0.05 min
Lab File: BN000648.D
Acq: 27 Mar 2018 15:54

Tgt Ion:252 Resp: 476253
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 13.1 5.4 8.0#





#88

Benzo(a)pyrene

Concen: 7.662 ng/ul

RT: 24.25 min Scan# 3538

Delta R.T. -0.00 min

Lab File: BN000648.D

Acq: 27 Mar 2018 15:54

Instrument :

BNA_N

ClientSampled :

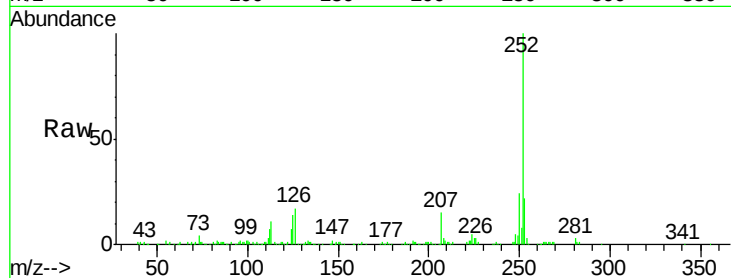
Tot Ion:252 Resp: 304110

Ion Ratio Lower Upper

252 100

253 22.2 17.2 25.8

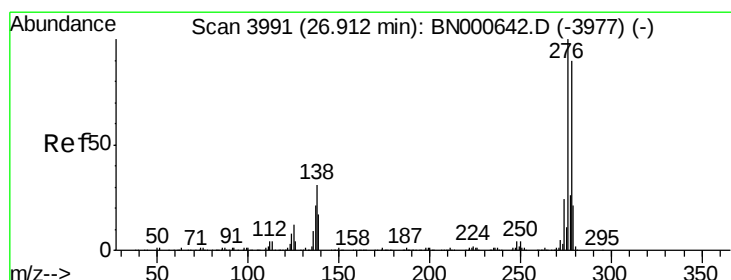
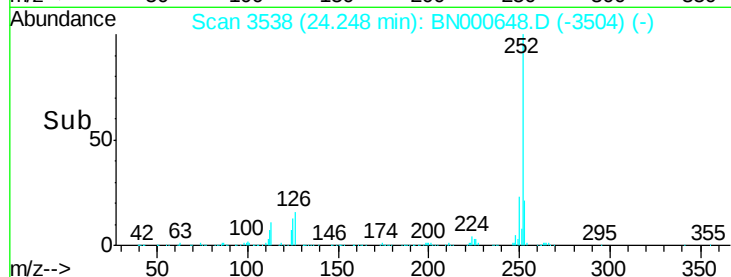
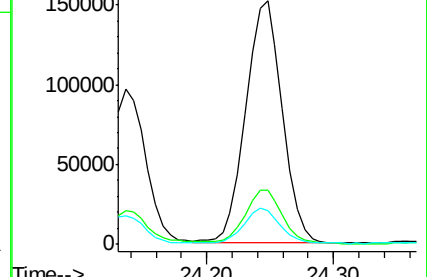
125 13.7 5.8 8.6#



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 3.353 ng/ul

RT: 26.90 min Scan# 3989

Delta R.T. -0.01 min

Lab File: BN000648.D

Acq: 27 Mar 2018 15:54

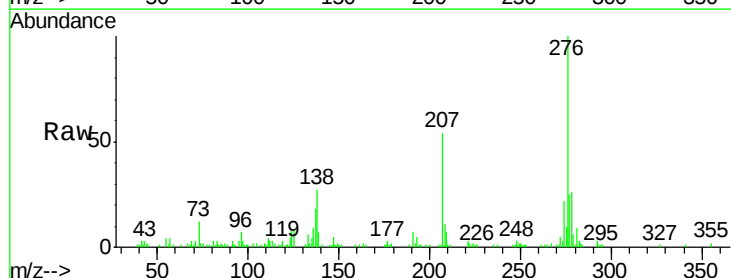
Tgt Ion:276 Resp: 143494

Ion Ratio Lower Upper

276 100

138 27.3 10.9 16.3#

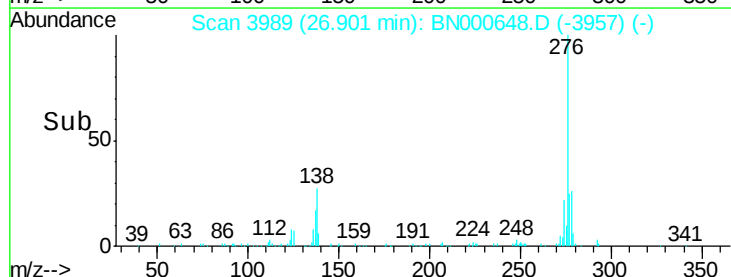
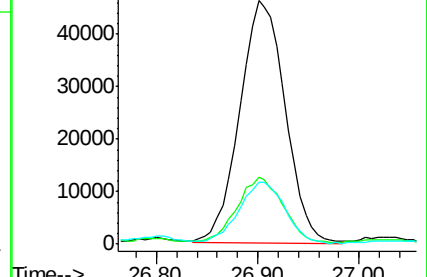
277 25.2 18.9 28.3

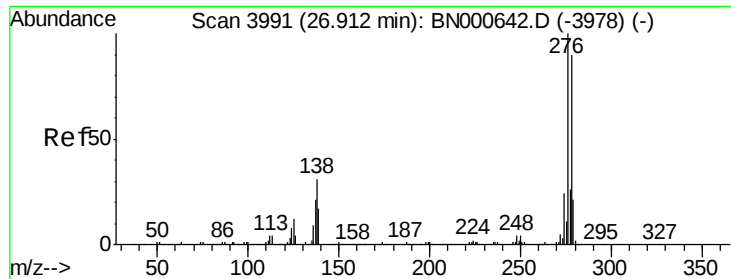


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.276 ng/ul

RT: 26.91 min Scan# 3990

Delta R.T. -0.01 min

Lab File: BN000648.D

Acq: 27 Mar 2018 15:54

Instrument :

BNA_N

ClientSampleId :

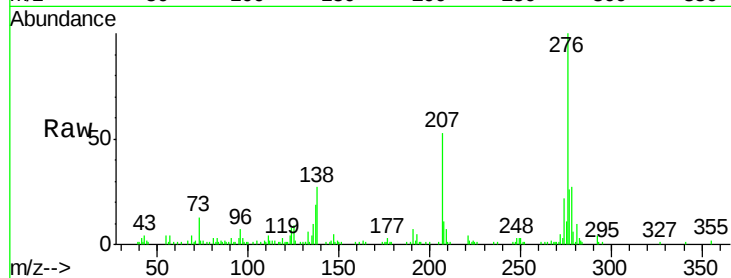
Tot Ion:278 Resp: 45490

Ion Ratio Lower Upper

278 100

139 0.0 9.0 13.4#

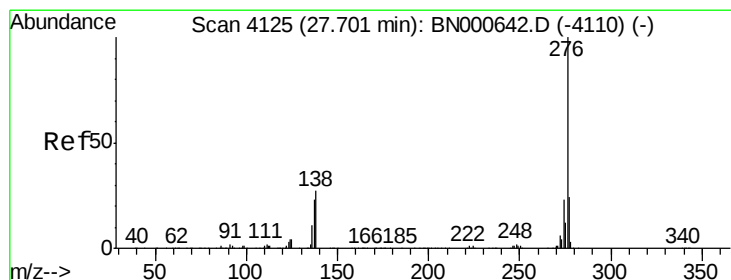
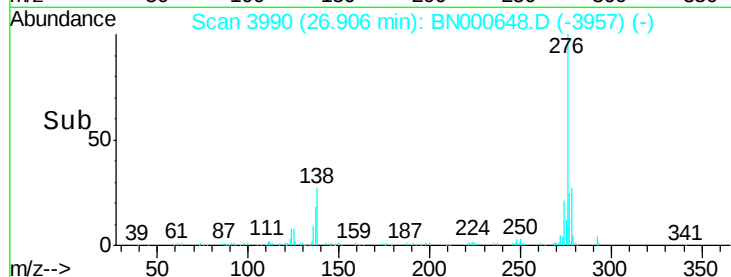
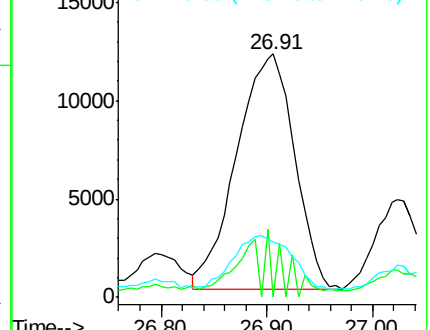
279 22.6 19.1 28.7



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



#91

Benzo(g,h,i)perylene

Concen: 3.408 ng/ul

RT: 27.69 min Scan# 4124

Delta R.T. -0.01 min

Lab File: BN000648.D

Acq: 27 Mar 2018 15:54

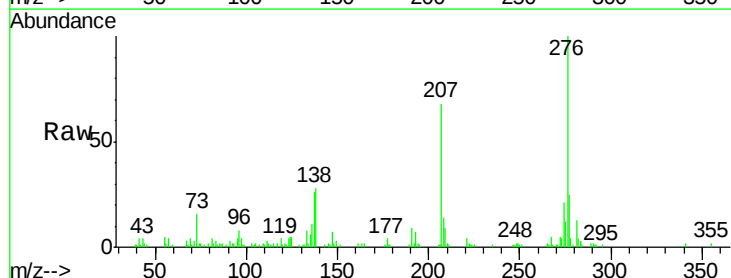
Tgt Ion:276 Resp: 121193

Ion Ratio Lower Upper

276 100

138 27.8 11.2 16.8#

277 25.1 19.0 28.6



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

