

Data Path : Z:\HPCHEM1\BNA N\DATA\BN032718\
 Data File : BN000652.D
 Acq On : 27 Mar 2018 18:11
 Operator : JU/SJ
 Sample : J2060-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Mar 28 01:39:20 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	174598	20.00	ng/ul	0.00
18) Naphthalene-d8	11.25	136	780736	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.03	164	426797	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.75	188	876769	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	697141	20.00	ng/ul	0.00
83) Perylene-d12	24.35	264	547591	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.58	96	23475	4.80	ng/uL	0.00
5) Phenol-d5	7.55	99	412479	25.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.71	67	275261	29.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.93	132	289294	23.49	ng/ul	0.00
13) 4-Methylphenol-d8	9.12	113	315979	24.90	ng/ul	0.00
19) Nitrobenzene-d5	9.59	128	172391	27.19	ng/ul	0.00
22) 2-Nitrophenol-d4	10.32	143	135605	20.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.87	165	246544	20.94	ng/ul	0.00
29) 4-Chloroaniline-d4	11.38	131	435788	36.06	ng/ul	0.00
43) Dimethylphthalate-d6	14.41	166	974770	28.91	ng/ul	0.00
46) Acenaphthylene-d8	14.72	160	1261269	28.35	ng/ul	0.00
51) 4-Nitrophenol-d4	15.24	143	2152	0.34	ng/ul	0.02
57) Fluorene-d10	16.01	176	813199	28.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.13	200	683	0.14	ng/ul	0.00
70) Anthracene-d10	17.85	188	1185102	28.12	ng/ul	0.00
76) Pyrene-d10	20.11	212	1188237	30.88	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.20	264	753892	29.17	ng/ul	0.00

Target Compounds

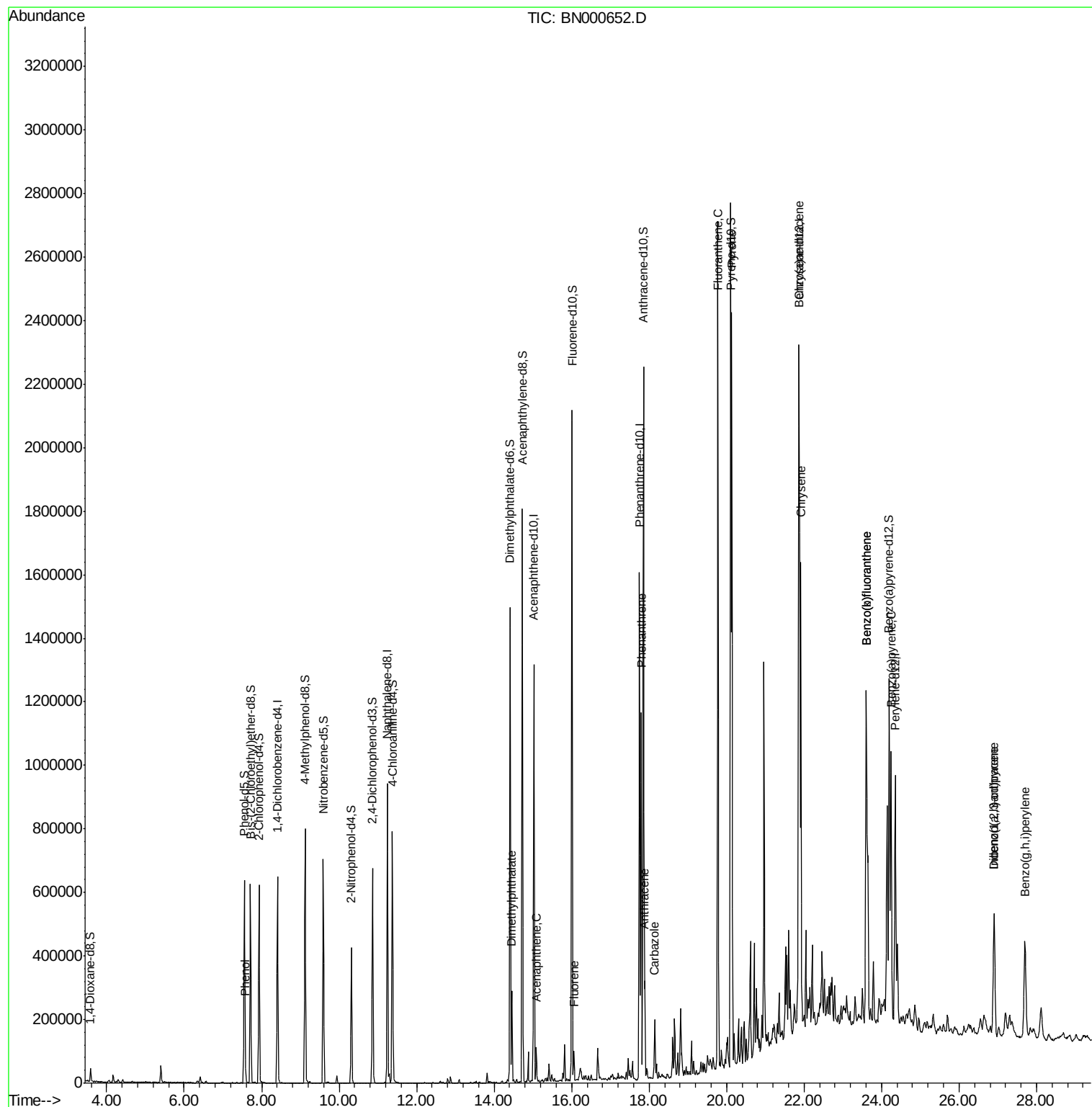
					Ovalue
6) Phenol	7.58	94	22461	1.352	ng/ul 98
44) Dimethylphthalate	14.46	163	156277	4.686	ng/ul 99
49) Acenaphthene	15.09	153	41520	1.397	ng/ul 99
58) Fluorene	16.07	166	37334	1.164	ng/ul 94
69) Phenanthrene	17.80	178	648653	12.842	ng/ul 100
71) Anthracene	17.88	178	189635	3.661	ng/ul 99
72) Carbazole	18.15	167	105328	2.372	ng/ul# 98
74) Fluoranthene	19.78	202	1479587	29.478	ng/ul# 82
77) Pyrene	20.14	202	1353999	26.591	ng/ul# 76
80) Benzo(a)anthracene	21.86	228	837082	18.021	ng/ul 99
82) Chrysene	21.91	228	814110	18.696	ng/ul 98
85) Benzo(b)fluoranthene	23.60	252	961729	27.795	ng/ul# 94
86) Benzo(k)fluoranthene	23.60	252	961729	28.791	ng/ul# 94
88) Benzo(a)pyrene	24.25	252	603703	18.539	ng/ul# 93
89) Indeno(1,2,3-cd)pyrene	26.91	276	367583	10.468	ng/ul# 89
90) Dibenzo(a,h)anthracene	26.90	278	98185	3.357	ng/ul# 85
91) Benzo(g,h,i)perylene	27.70	276	362267	12.415	ng/ul# 88

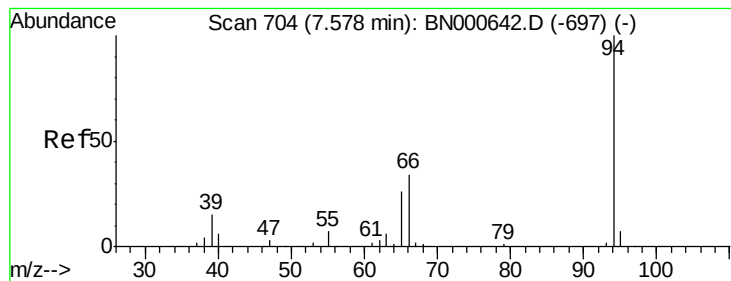
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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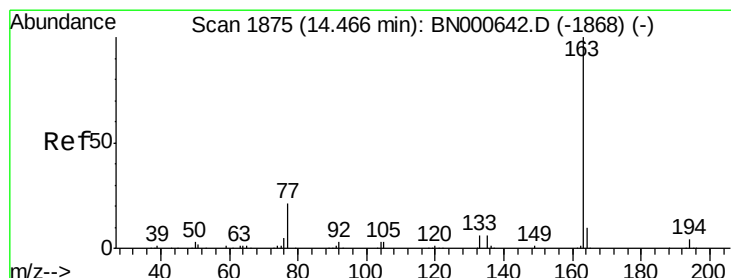
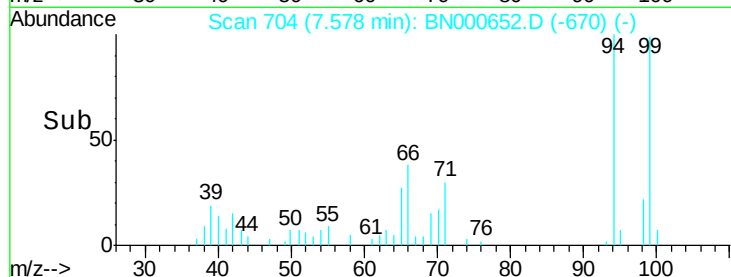
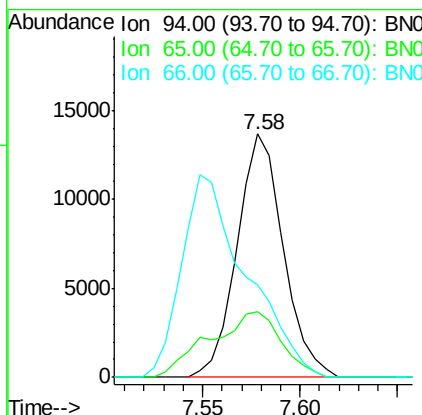
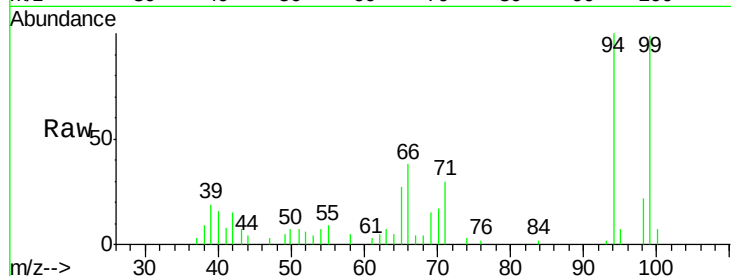
#6

Phenol

Concen: 1.352 ng/ul
 RT: 7.58 min Scan# 704
 Delta R.T. 0.00 min
 Lab File: BN000652.D
 Acq: 27 Mar 2018 18:11

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion: 94 Resp: 22461
 Ion Ratio Lower Upper
 94 100
 65 26.8 23.0 34.6
 66 38.3 30.4 45.6

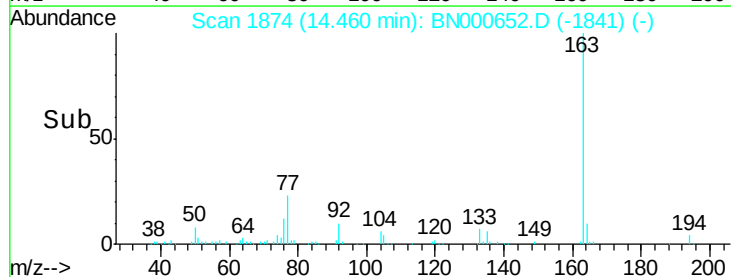
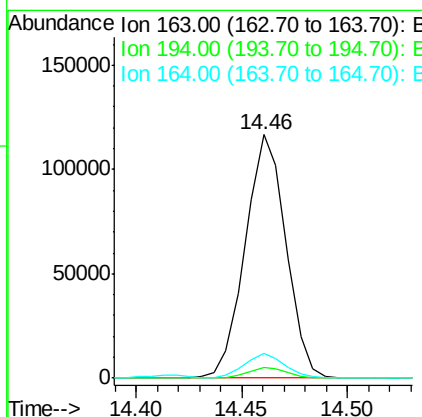
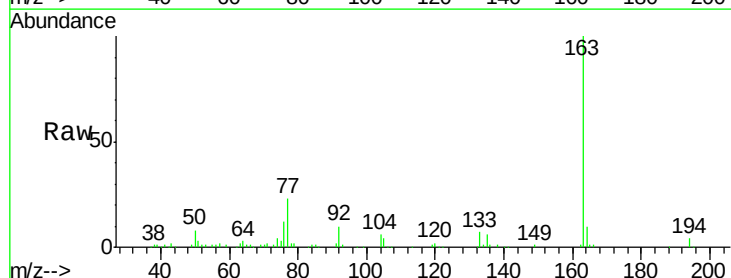


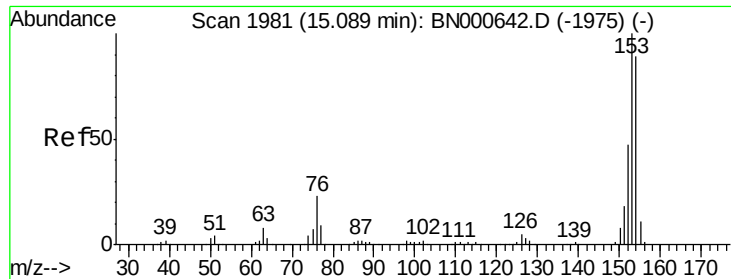
#44

Dimethylphthalate

Concen: 4.686 ng/ul
 RT: 14.46 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BN000652.D
 Acq: 27 Mar 2018 18:11

Tgt Ion:163 Resp: 156277
 Ion Ratio Lower Upper
 163 100
 194 4.2 4.0 6.0
 164 10.3 8.4 12.6





#49

Acenaphthene

Concen: 1.397 ng/ul

RT: 15.09 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

Instrument :

BNA_N

ClientSampleId :

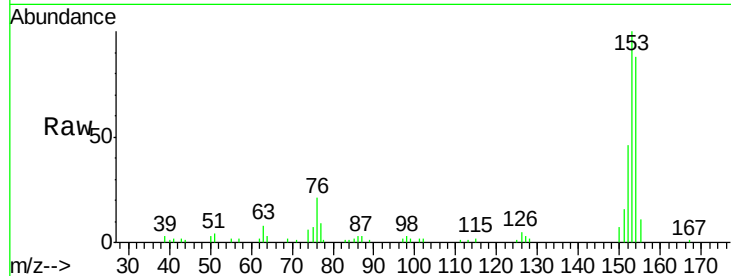
Tot Ion:153 Resp: 41520

Ion Ratio Lower Upper

153 100

152 46.3 37.9 56.9

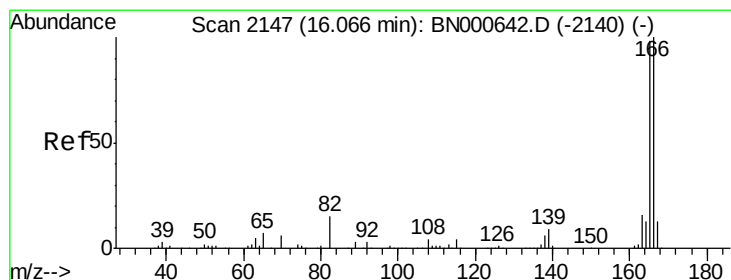
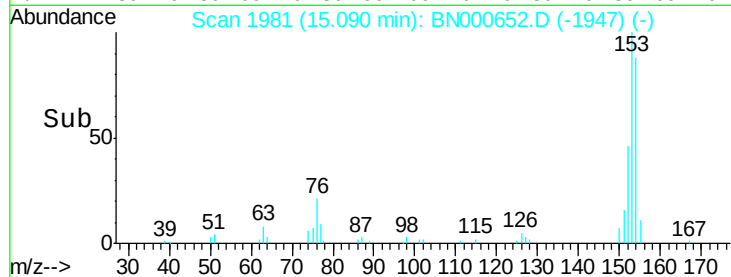
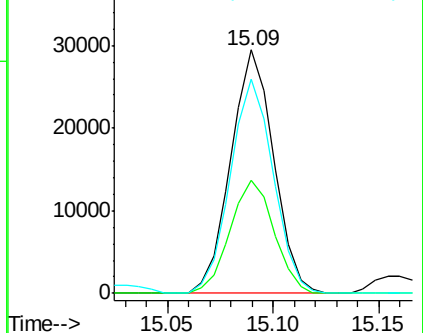
154 88.2 69.8 104.6



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



#58

Fluorene

Concen: 1.164 ng/ul

RT: 16.07 min Scan# 2147

Delta R.T. 0.00 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

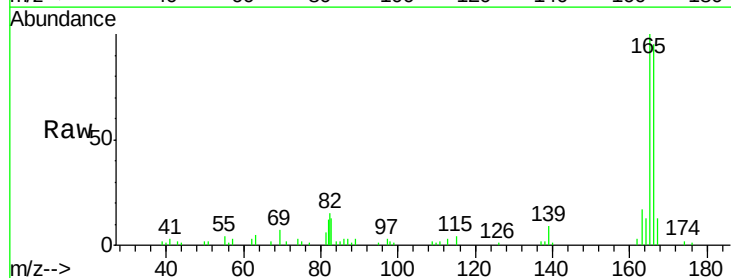
Tgt Ion:166 Resp: 37334

Ion Ratio Lower Upper

166 100

165 104.8 78.4 117.6

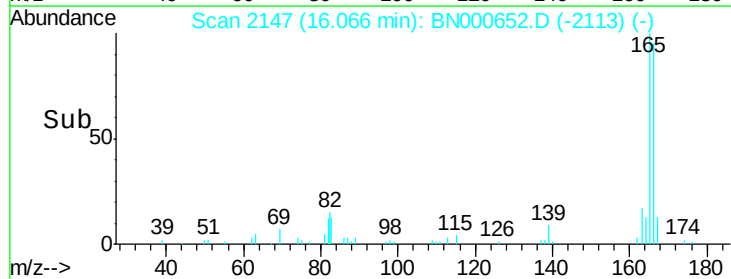
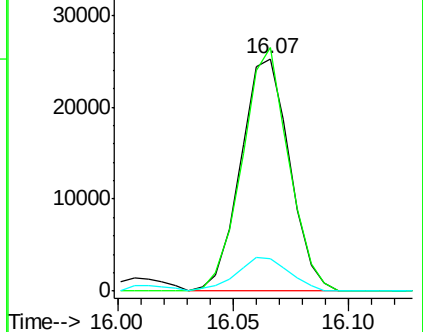
167 14.0 11.1 16.7

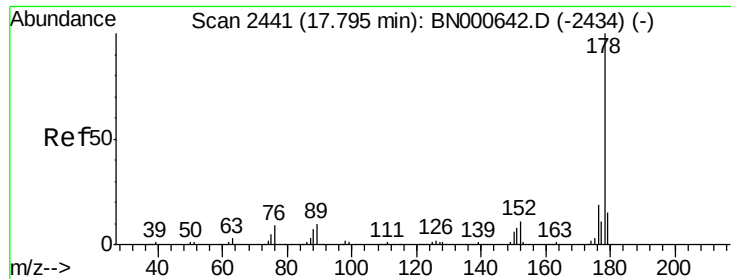


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 12.842 ng/ul

RT: 17.80 min Scan# 2441

Delta R.T. 0.00 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

Instrument :

BNA_N

ClientSampleId :

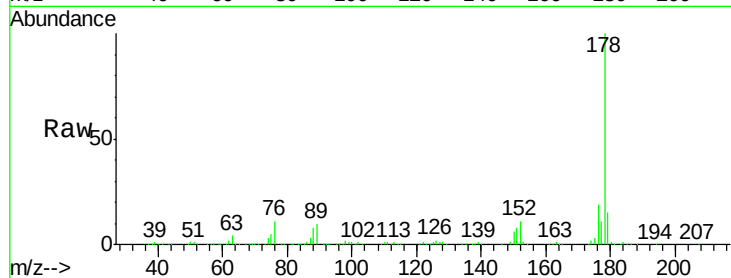
Tot Ion:178 Resp: 648653

Ion Ratio Lower Upper

178 100

179 15.4 12.3 18.5

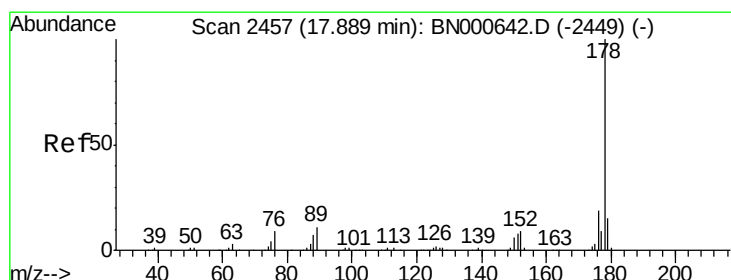
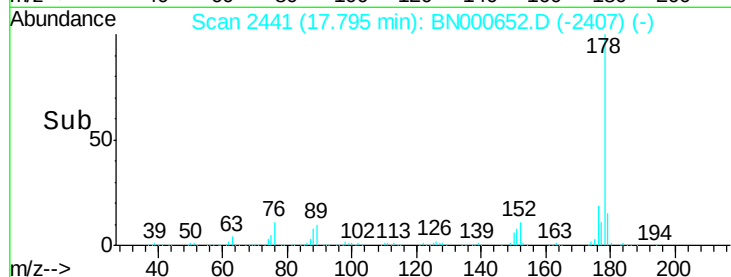
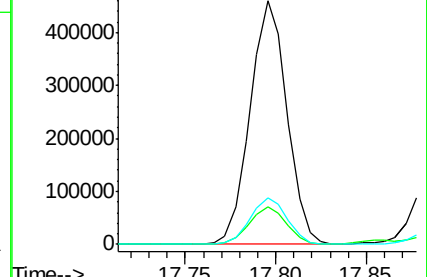
176 19.3 15.4 23.0



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: 3.661 ng/ul

RT: 17.88 min Scan# 2456

Delta R.T. -0.01 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

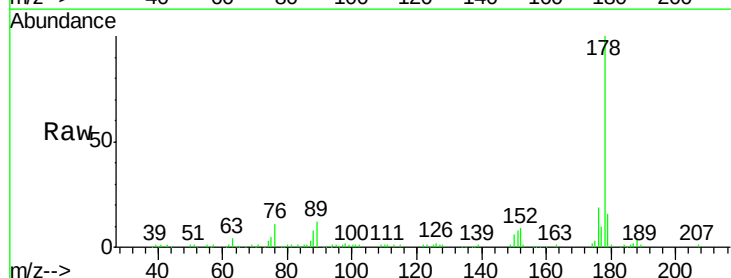
Tgt Ion:178 Resp: 189635

Ion Ratio Lower Upper

178 100

179 16.1 13.4 20.2

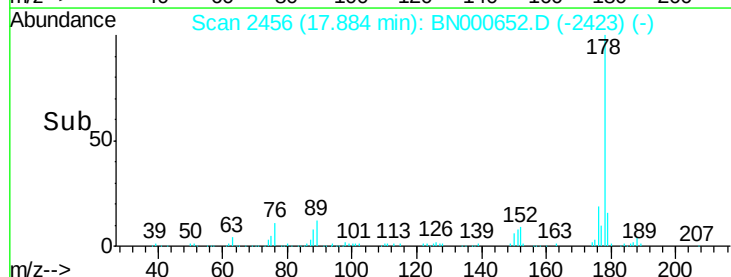
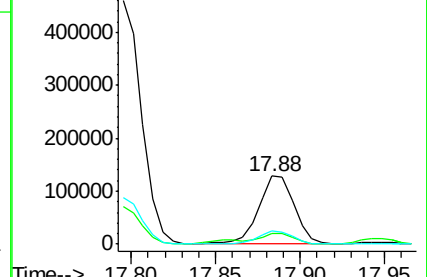
176 19.0 15.4 23.0

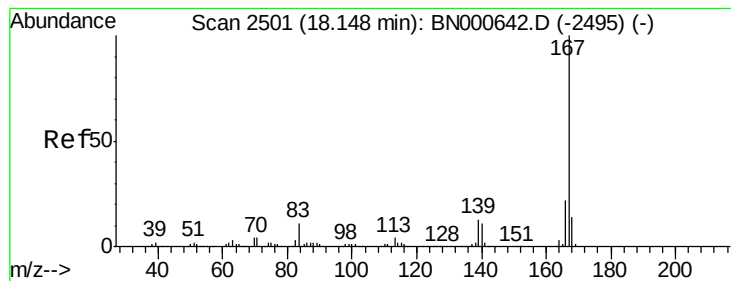


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.372 ng/ul

RT: 18.15 min Scan# 2501

Delta R.T. 0.00 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

Instrument :

BNA_N

ClientSampleId :

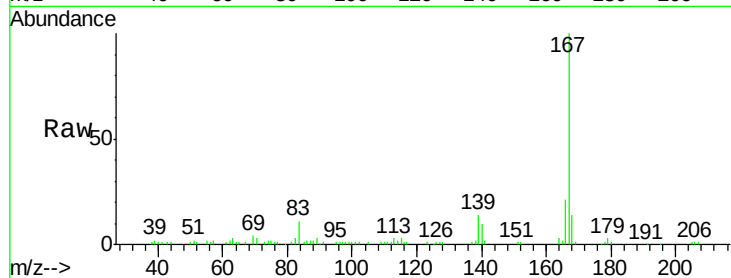
Tot Ion:167 Resp: 105328

Ion Ratio Lower Upper

167 100

166 21.2 17.0 25.4

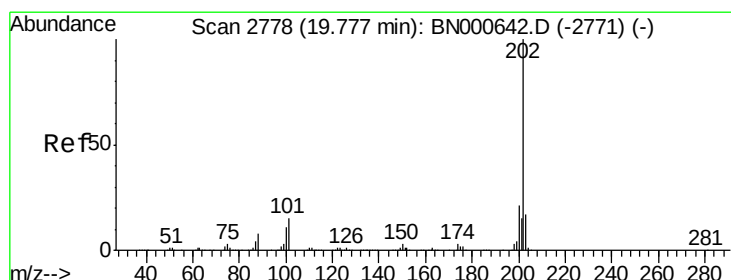
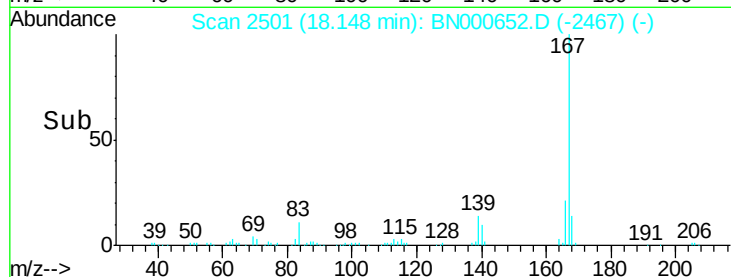
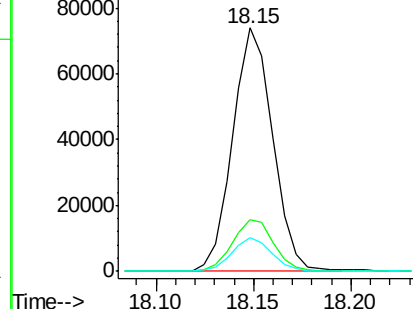
139 13.9 9.1 13.7#



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: 29.478 ng/ul

RT: 19.78 min Scan# 2778

Delta R.T. 0.00 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

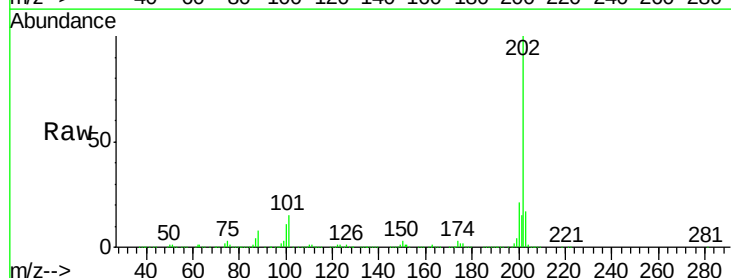
Tgt Ion:202 Resp: 1479587

Ion Ratio Lower Upper

202 100

101 14.7 6.1 9.1#

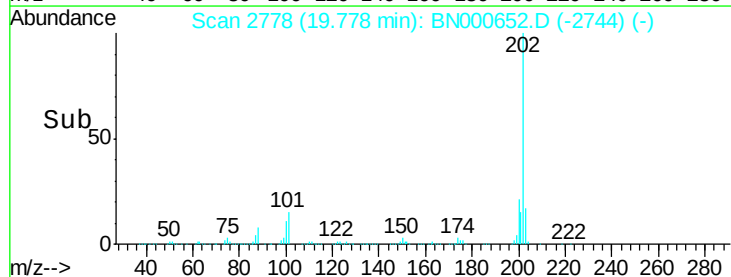
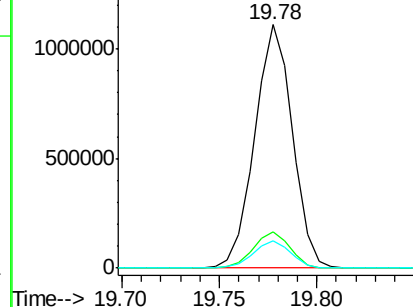
100 11.1 4.6 7.0#

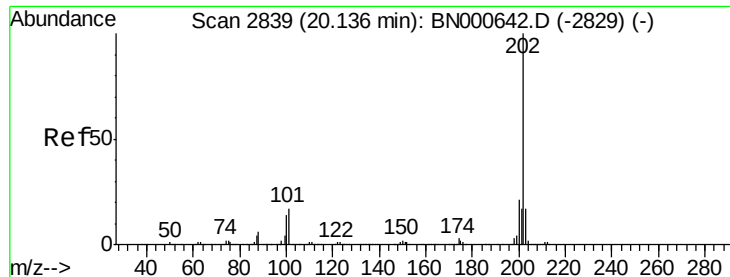


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 26.591 ng/ul

RT: 20.14 min Scan# 2839

Delta R.T. 0.00 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

Instrument :

BNA_N

ClientSampleId :

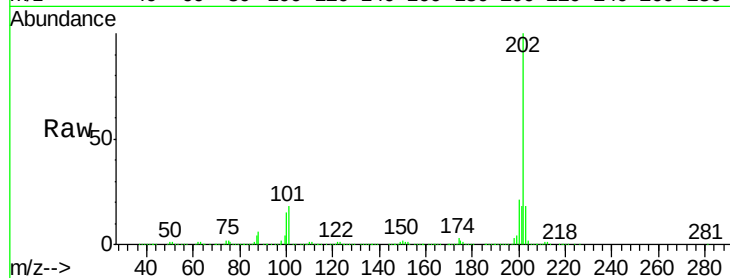
Tot Ion:202 Resp: 1353999

Ion Ratio Lower Upper

202 100

101 17.8 6.9 10.3#

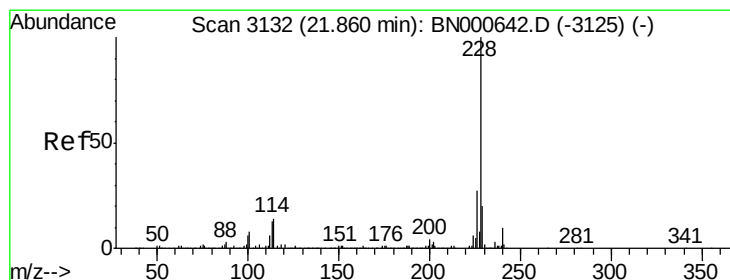
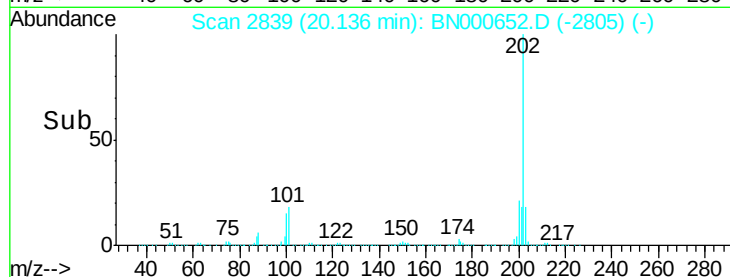
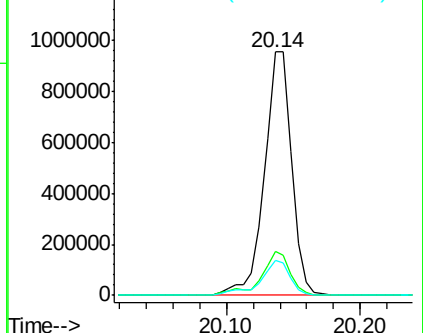
100 14.6 5.6 8.4#



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: 18.021 ng/ul

RT: 21.86 min Scan# 3132

Delta R.T. 0.00 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

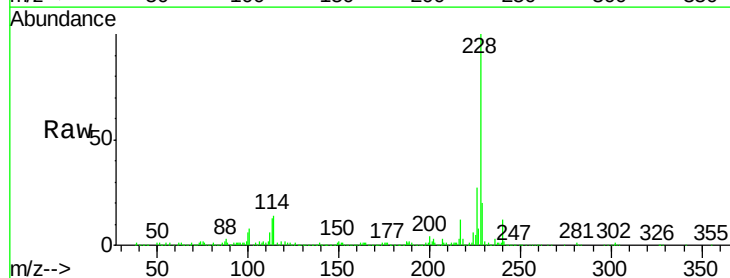
Tgt Ion:228 Resp: 837082

Ion Ratio Lower Upper

228 100

229 20.3 16.0 24.0

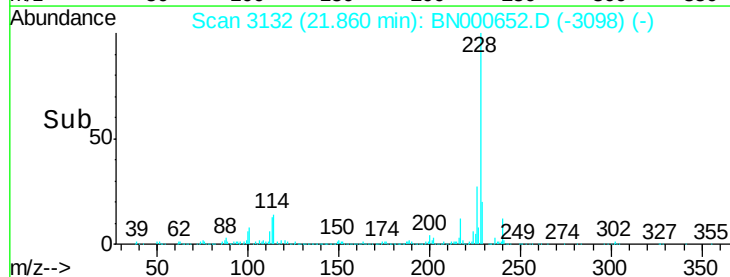
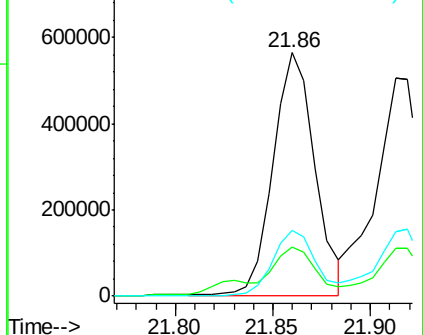
226 26.8 21.8 32.8

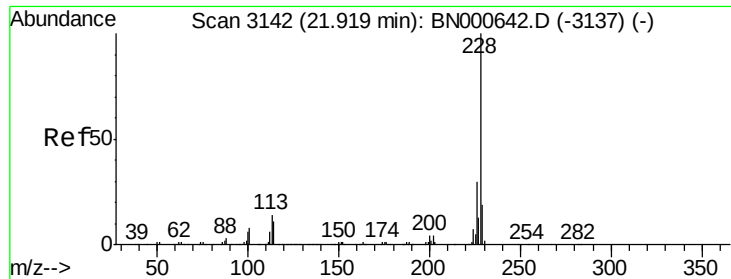


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

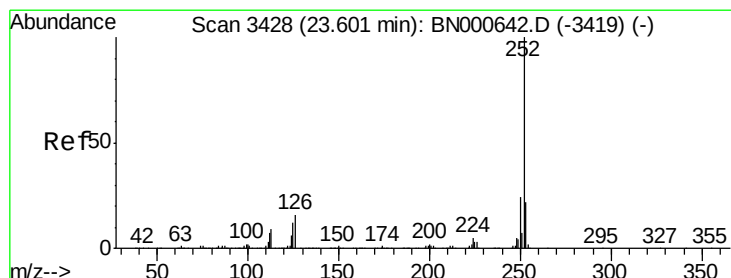
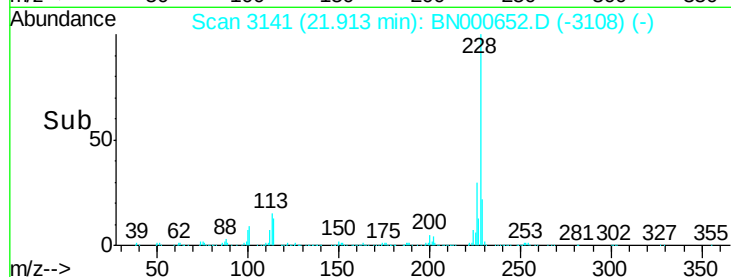
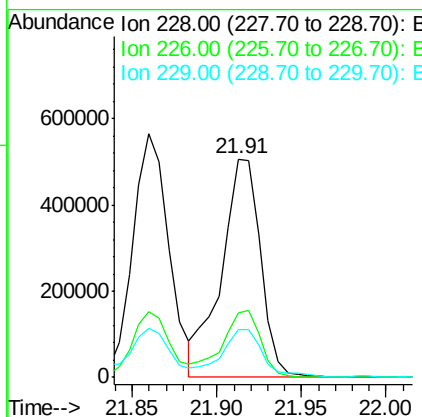
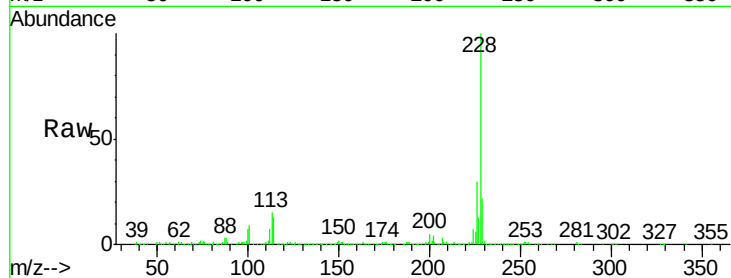




#82
Chrysene
Concen: 18.696 ng/ul
RT: 21.91 min Scan# 3141
Delta R.T. -0.01 min
Lab File: BN000652.D
Acq: 27 Mar 2018 18:11

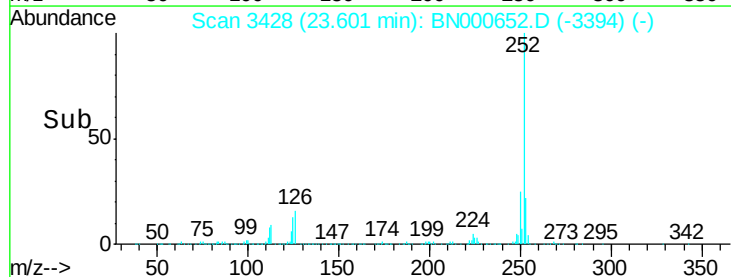
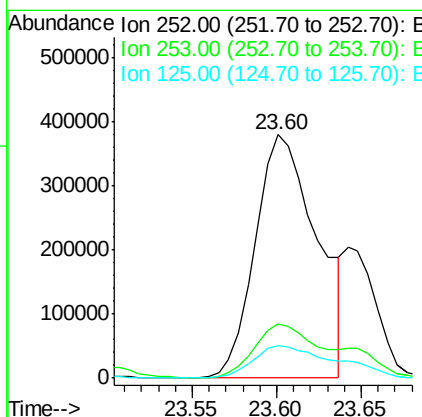
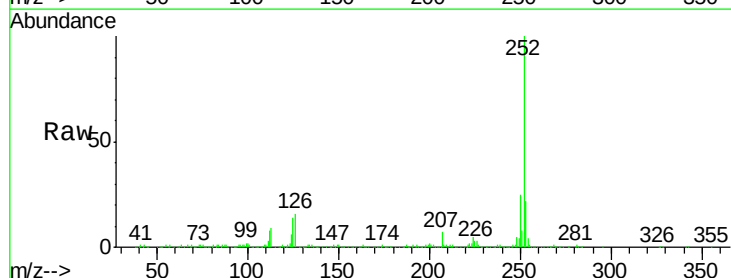
Instrument :
BNA_N
ClientSampleId :

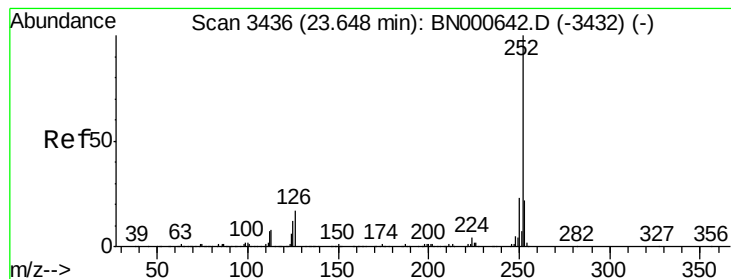
Tot Ion:228 Resp: 814110
Ion Ratio Lower Upper
228 100
226 29.6 24.1 36.1
229 22.1 16.0 24.0



#85
Benzo(b)fluoranthene
Concen: 27.795 ng/ul
RT: 23.60 min Scan# 3428
Delta R.T. 0.00 min
Lab File: BN000652.D
Acq: 27 Mar 2018 18:11

Tgt Ion:252 Resp: 961729
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.0
125 13.5 4.9 7.3#





#86

Benzo(k)fluoranthene

Concen: 28.791 ng/ul

RT: 23.60 min Scan# 3428

Delta R.T. -0.05 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

Instrument :

BNA_N

ClientSampleId :

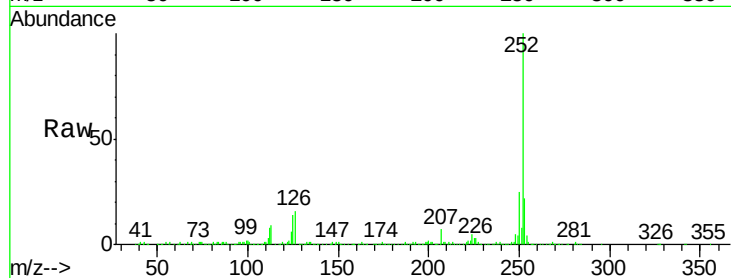
Tot Ion:252 Resp: 961729

Ion Ratio Lower Upper

252 100

253 22.4 17.1 25.7

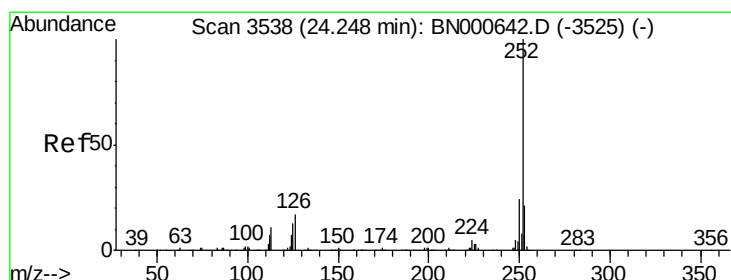
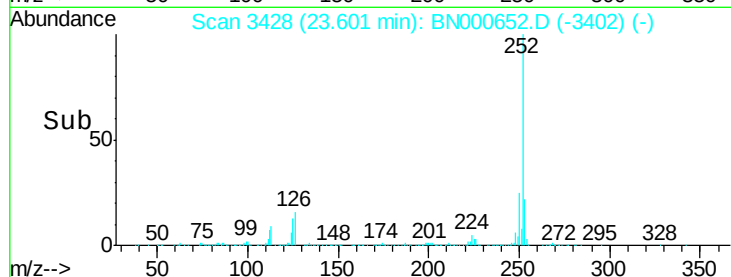
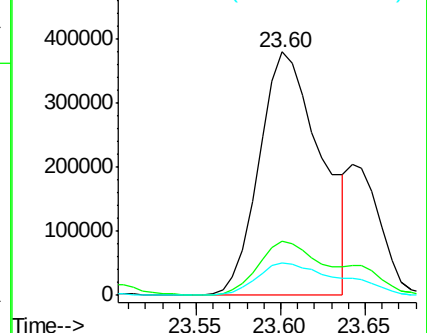
125 13.5 5.4 8.0#



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



#88

Benzo(a)pyrene

Concen: 18.539 ng/ul

RT: 24.25 min Scan# 3538

Delta R.T. 0.00 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

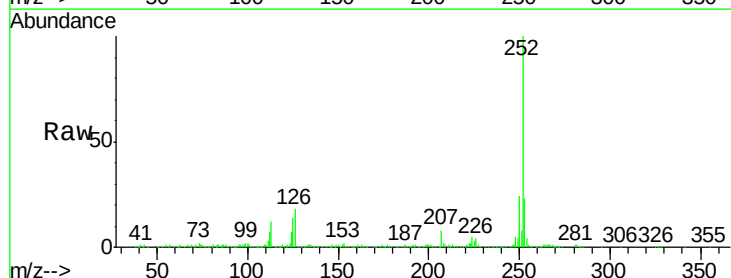
Tgt Ion:252 Resp: 603703

Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

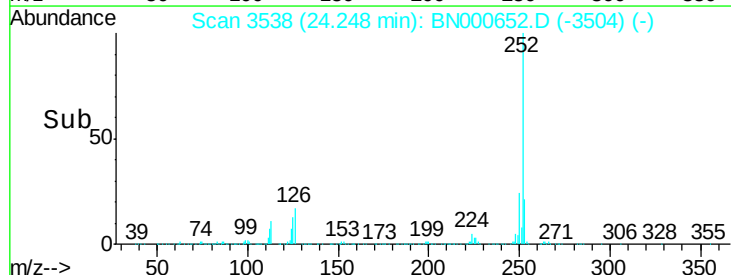
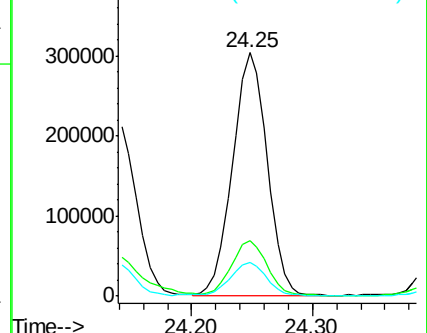
125 13.9 5.8 8.6#

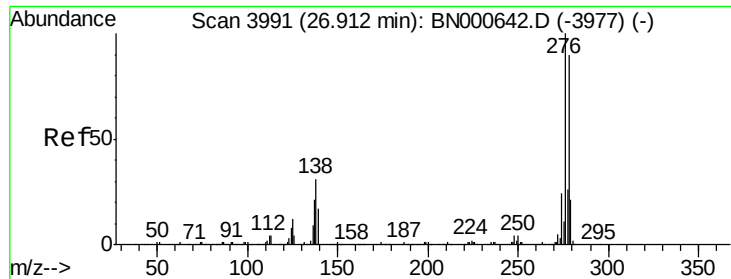


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



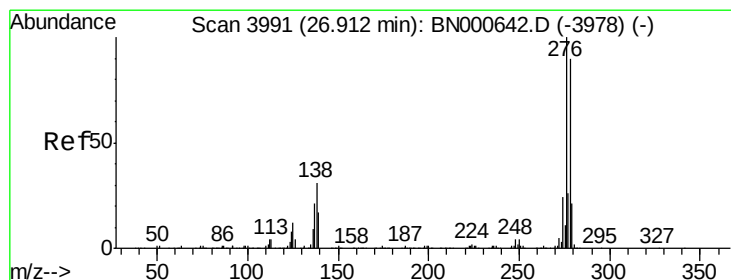
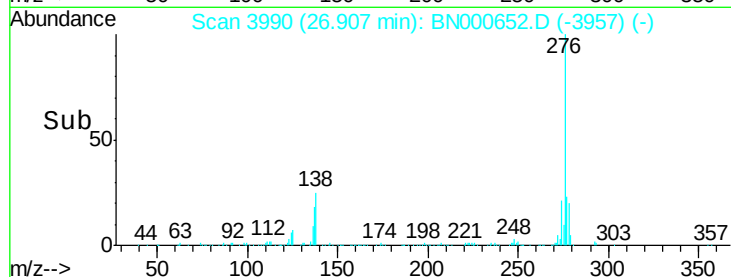
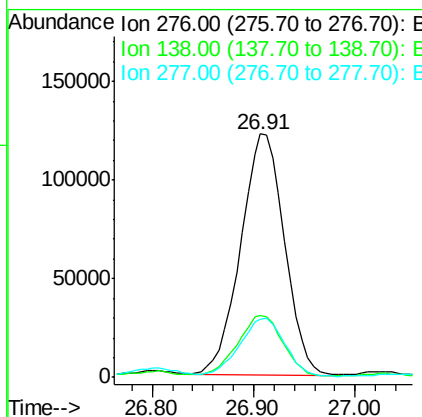
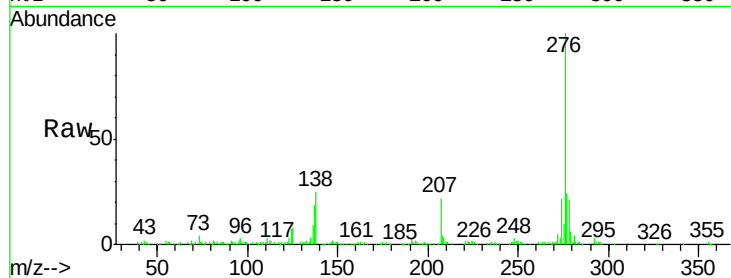


#89

Indeno(1,2,3-cd)pyrene
Concen: 10.468 ng/ul
RT: 26.91 min Scan# 3990
Delta R.T. -0.01 min
Lab File: BN000652.D
Acq: 27 Mar 2018 18:11

Instrument :
BNA_N
ClientSampled :

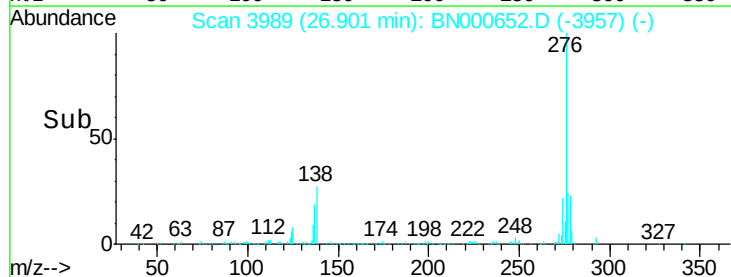
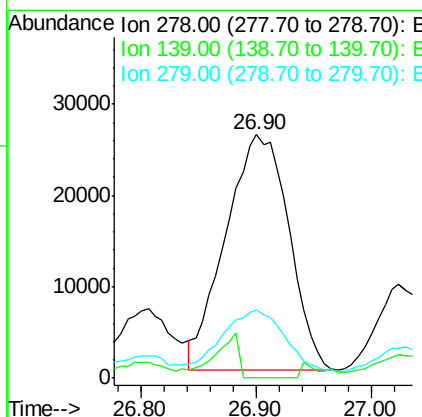
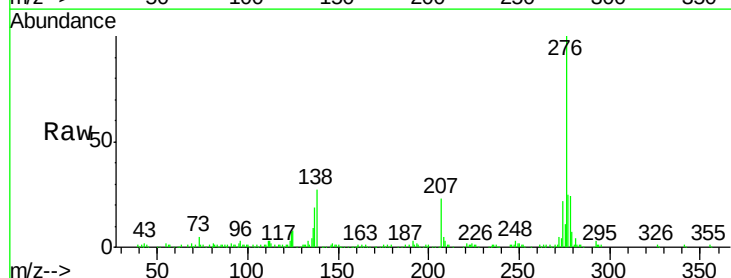
Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	10.9	16.3#
277	23.8	18.9	28.3

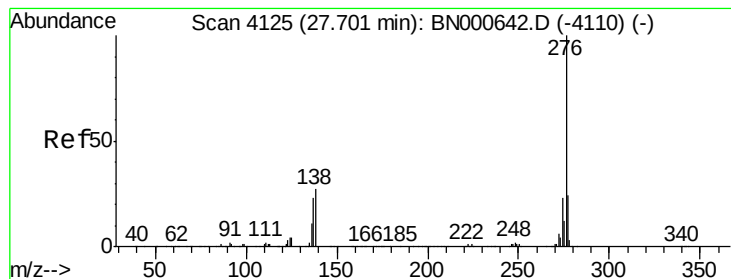


#90

Dibenzo(a,h)anthracene
Concen: 3.357 ng/ul
RT: 26.90 min Scan# 3989
Delta R.T. -0.01 min
Lab File: BN000652.D
Acq: 27 Mar 2018 18:11

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	9.0	13.4#
279	28.2	19.1	28.7





#91

Benzo(a,h,i)perylene

Concen: 12.415 ng/ul

RT: 27.70 min Scan# 4125

Delta R.T. 0.00 min

Lab File: BN000652.D

Acq: 27 Mar 2018 18:11

Instrument :

BNA_N

ClientSampleId :

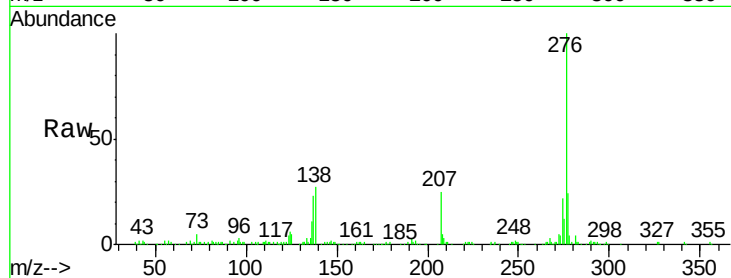
Tot Ion:276 Resp: 362267

Ion Ratio Lower Upper

276 100

138 26.5 11.2 16.8#

277 23.9 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

