

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN060319\
 Data File : BN006054.D
 Acq On : 04 Jun 2019 02:23
 Operator : JU/SJ
 Sample : K2923-19RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Jun 04 03:47:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN060319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 03 14:55:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	418717	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	1724180	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	885312	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	1583915	20.00	ng/ul	0.00
77) Chrysene-d12	21.35	240	1203042	20.00	ng/ul	0.00
85) Perylene-d12	23.64	264	1438542	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	33204	3.69	ng/uL	0.00
5) Phenol-d5	6.90	99	686065	19.82	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.06	67	394590	20.17	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	557442	20.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	519396	18.76	ng/ul	0.00
19) Nitrobenzene-d5	8.88	128	265381	21.32	ng/ul	0.00
22) 2-Nitrophenol-d4	9.60	143	273631	19.95	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.14	165	504836	20.17	ng/ul	0.00
29) 4-Chloroaniline-d4	10.65	131	222849	7.24	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	1468308	23.44	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	1813938	22.51	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	179742	15.53	ng/ul	0.00
57) Fluorene-d10	15.38	176	1173448	22.12	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	42527	5.54	ng/ul	0.00
70) Anthracene-d10	17.24	188	1526803	23.00	ng/ul	0.00
78) Pyrene-d10	19.54	212	1459481	21.27	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.49	264	1435397	22.46	ng/ul	0.00

Target Compounds

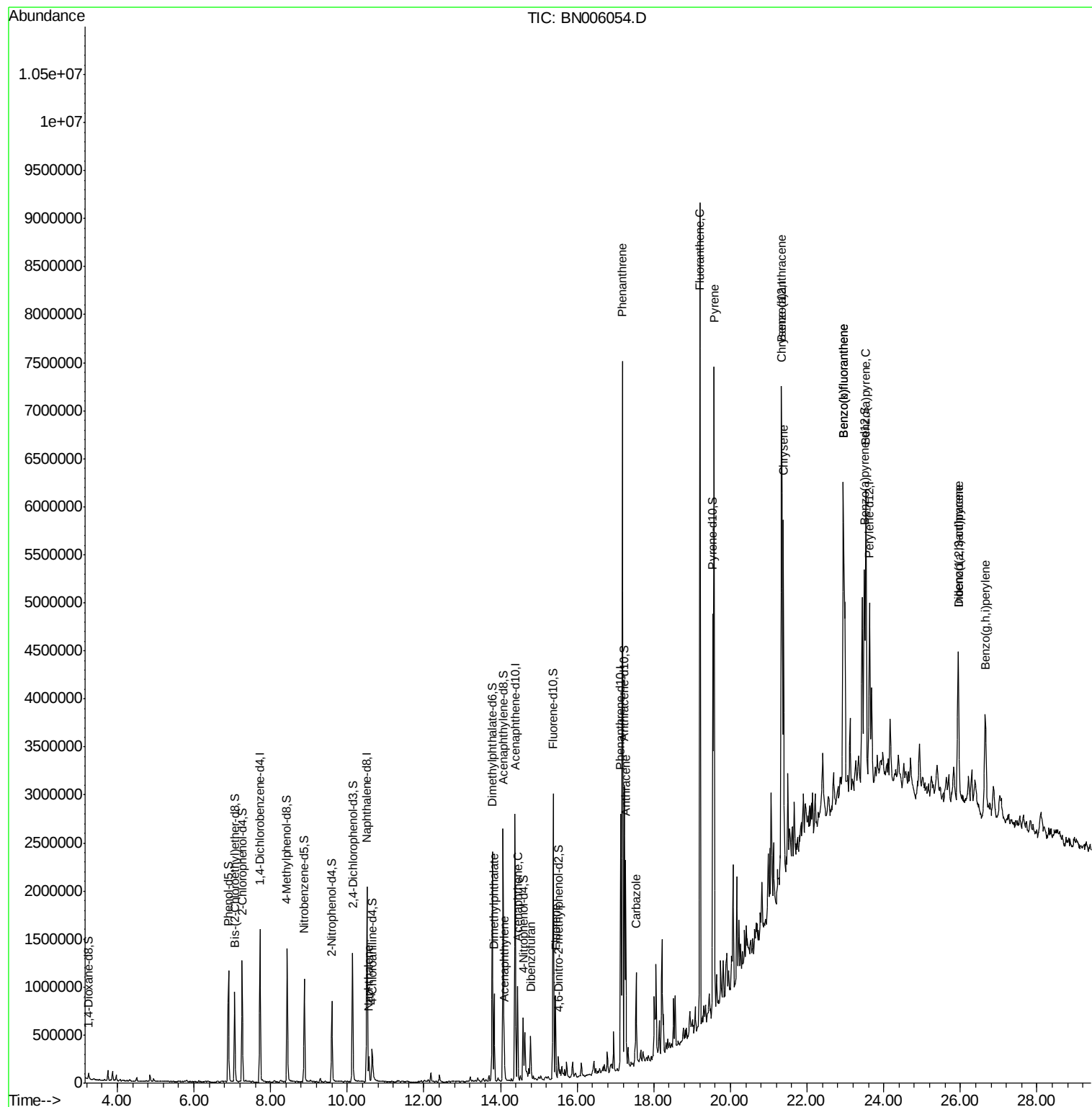
					Ovalue
28) Naphthalene	10.57	128	198925	2.452	ng/ul 100
44) Dimethylphthalate	13.84	163	527664	8.512	ng/ul 100
47) Acenaphthylene	14.10	152	169858	2.145	ng/ul 98
49) Acenaphthene	14.45	153	403640	7.567	ng/ul 99
53) Dibenzofuran	14.78	168	263920	3.484	ng/ul 98
58) Fluorene	15.44	166	389689	6.659	ng/ul 99
69) Phenanthrene	17.18	178	4371396	56.873	ng/ul 99
71) Anthracene	17.27	178	1294356	16.583	ng/ul 100
74) Carbazole	17.54	167	603728	8.992	ng/ul 100
76) Fluoranthene	19.21	202	5138423	68.695	ng/ul 100
79) Pyrene	19.57	202	4259687	49.126	ng/ul 99
82) Benzo(a)anthracene	21.33	228	2299160	30.929	ng/ul 97
84) Chrysene	21.38	228	2137059	30.385	ng/ul 98
87) Benzo(b)fluoranthene	22.95	252	2840292	35.797	ng/ul 97
88) Benzo(k)fluoranthene	22.95	252	2840292	36.941	ng/ul 97
90) Benzo(a)pyrene	23.54	252	2099038	27.824	ng/ul 96
91) Indeno(1,2,3-cd)pyrene	25.95	276	1596278	18.380	ng/ul 94
92) Dibenzo(a,h)anthracene	25.94	278	437504	5.975	ng/ul# 75
93) Benzo(g,h,i)perylene	26.65	276	1271807	17.791	ng/ul 98

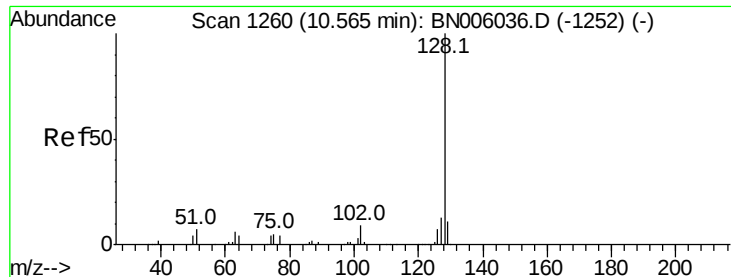
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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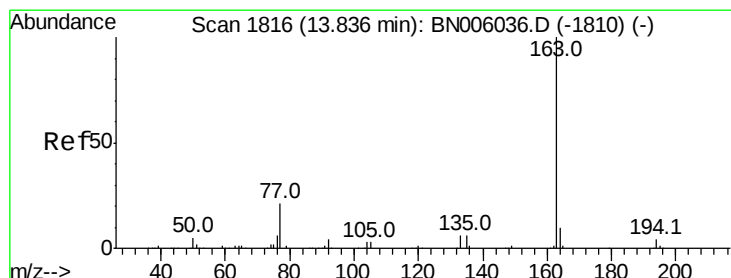
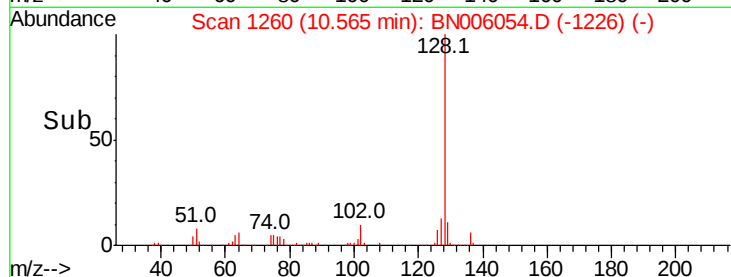
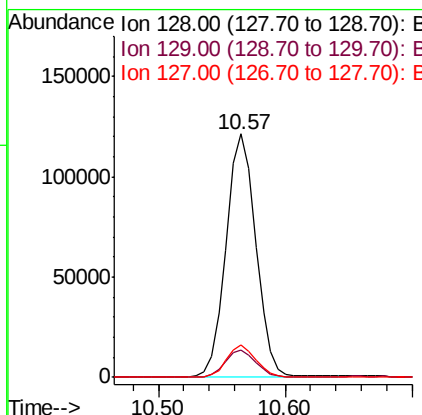
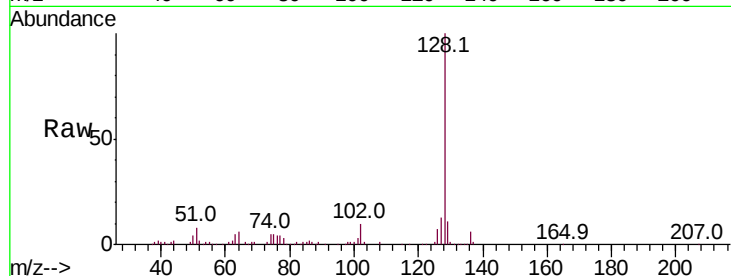




#28
Naphthalene
Concen: 2.452 ng/ul
RT: 10.57 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BN006054.D
Acq: 04 Jun 2019 02:23

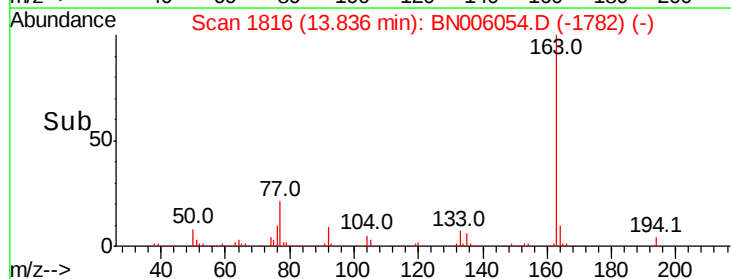
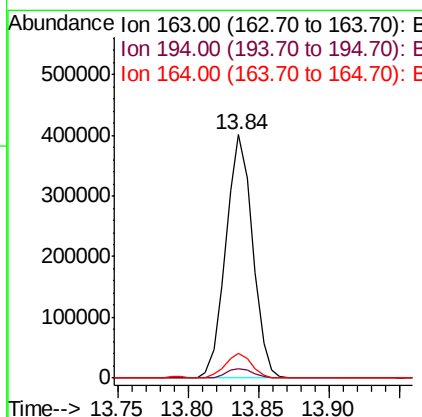
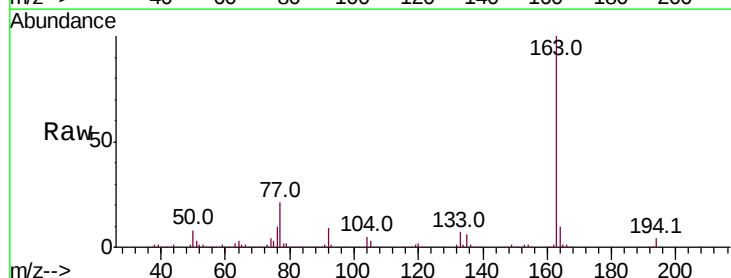
Instrument :
BNA_N
ClientSampleId :

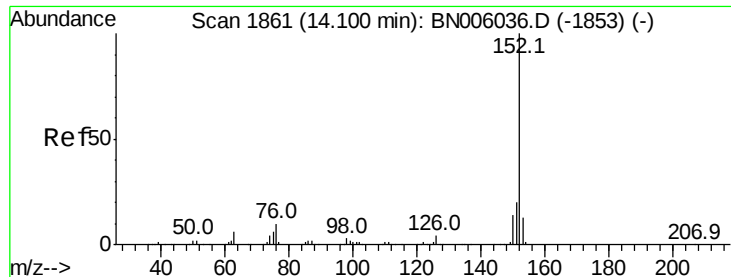
Tot Ion:128 Resp: 198925
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.4 10.6 16.0



#44
Dimethylphthalate
Concen: 8.512 ng/ul
RT: 13.84 min Scan# 1816
Delta R.T. 0.00 min
Lab File: BN006054.D
Acq: 04 Jun 2019 02:23

Tgt Ion:163 Resp: 527664
Ion Ratio Lower Upper
163 100
194 4.0 3.4 5.2
164 10.4 8.2 12.4





#47

Acenaphthylene

Concen: 2.145 ng/ul

RT: 14.10 min Scan# 1861

Delta R.T. 0.00 min

Lab File: BN006054.D

Acq: 04 Jun 2019 02:23

Instrument :

BNA_N

ClientSampleId :

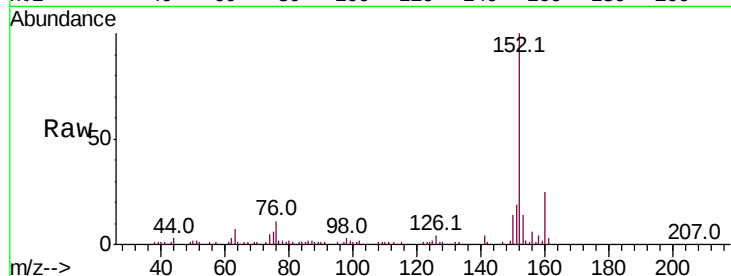
Tot Ion:152 Resp: 169858

Ion Ratio Lower Upper

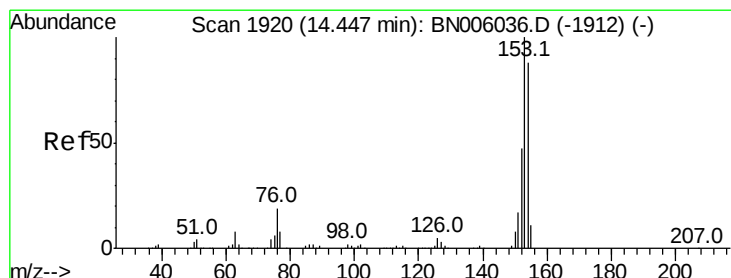
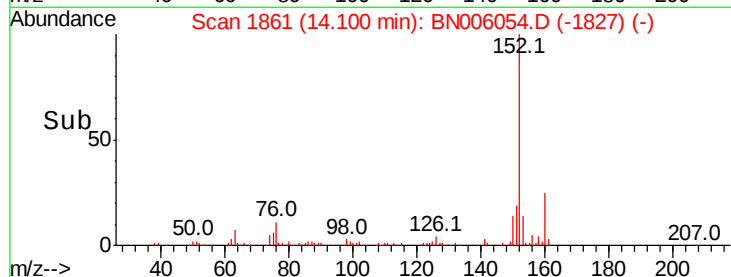
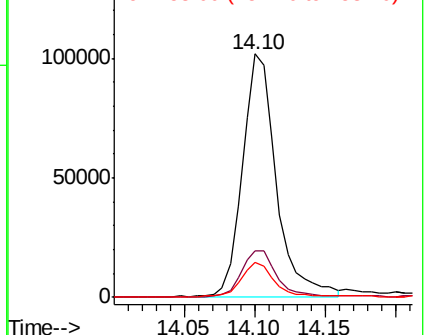
152 100

151 19.2 16.2 24.2

153 14.2 10.5 15.7



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



#49

Acenaphthene

Concen: 7.567 ng/ul

RT: 14.45 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BN006054.D

Acq: 04 Jun 2019 02:23

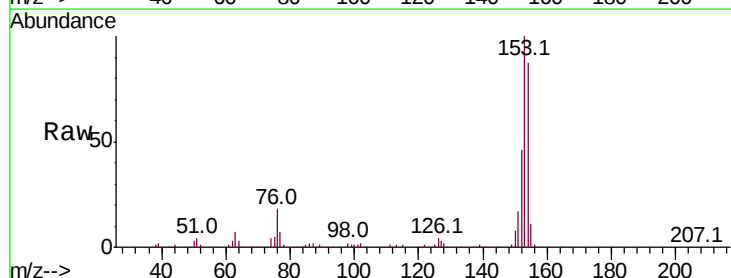
Tgt Ion:153 Resp: 403640

Ion Ratio Lower Upper

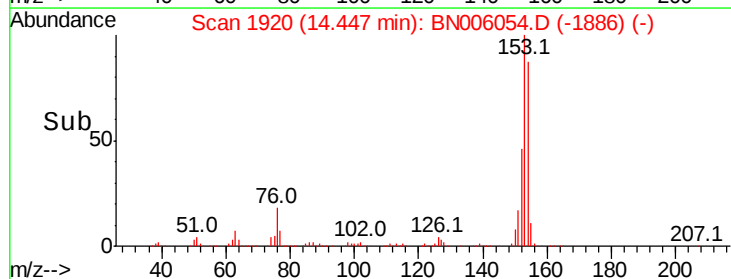
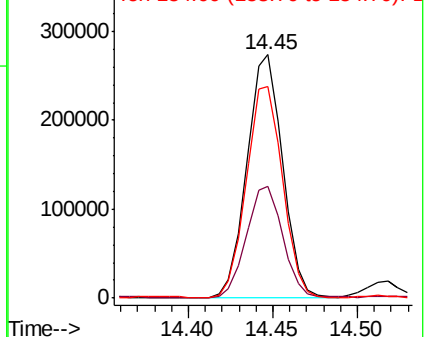
153 100

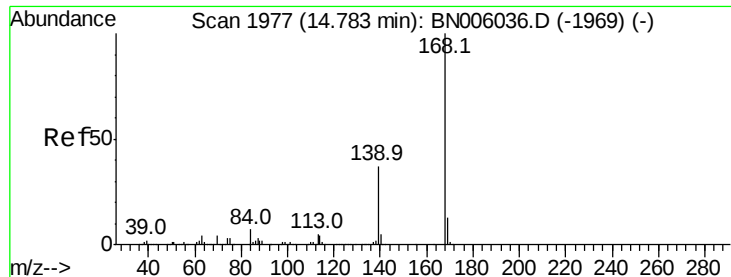
152 46.0 37.4 56.2

154 87.0 70.7 106.1



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

Dibenzenofuran

Concen: 3.484 ng/ul

RT: 14.78 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BN006054.D

Acq: 04 Jun 2019 02:23

Instrument :

BNA_N

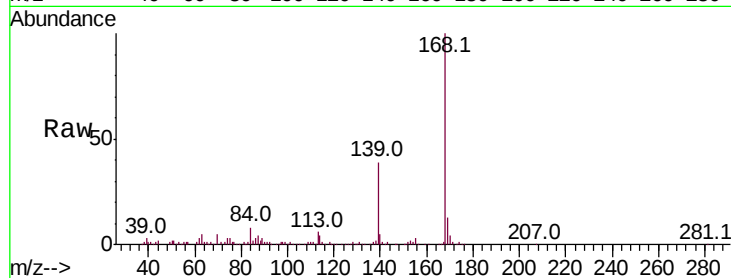
ClientSampled :

Tot Ion:168 Resp: 263920

Ion Ratio Lower Upper

168 100

139 38.6 29.8 44.6



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.78

200000

150000

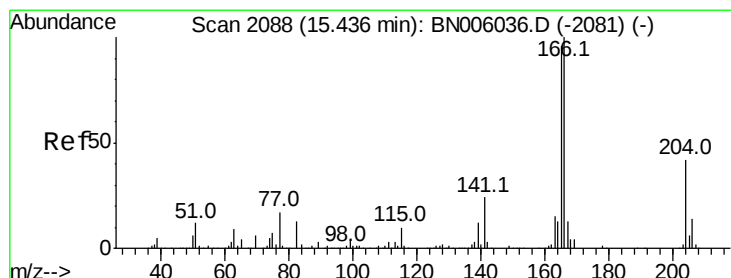
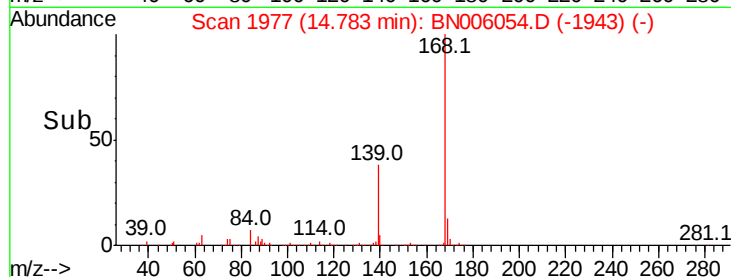
100000

50000

0

14.70 14.75 14.80 14.85

Time-->



#58

Fluorene

Concen: 6.659 ng/ul

RT: 15.44 min Scan# 2088

Delta R.T. 0.00 min

Lab File: BN006054.D

Acq: 04 Jun 2019 02:23

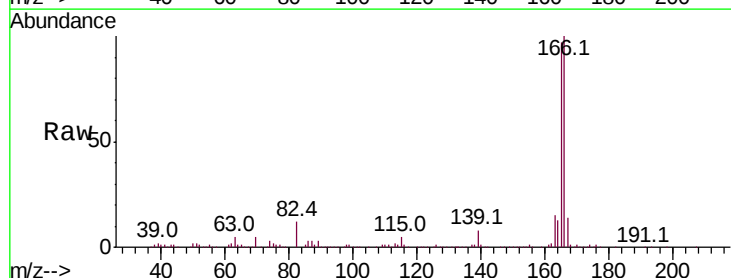
Tgt Ion:166 Resp: 389689

Ion Ratio Lower Upper

166 100

165 97.1 76.6 115.0

167 13.7 10.8 16.2



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

15.44

300000

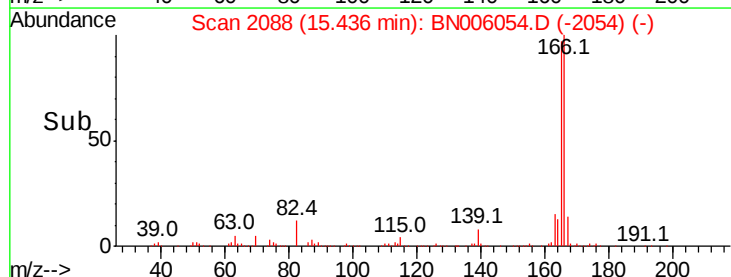
200000

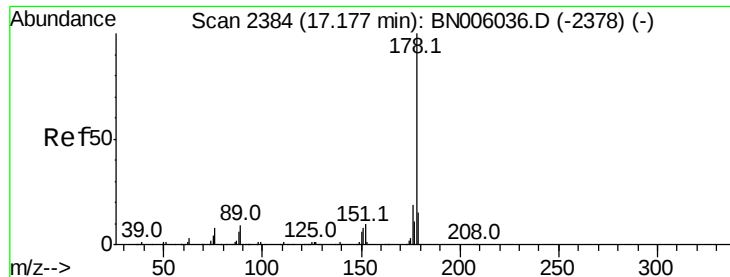
100000

0

15.40 15.45 15.50

Time-->





#69

Phenanthrene

Concen: 56.873 ng/ul

RT: 17.18 min Scan# 2385

Delta R.T. 0.01 min

Lab File: BN006054.D

Acq: 04 Jun 2019 02:23

Instrument :

BNA_N

ClientSampleId :

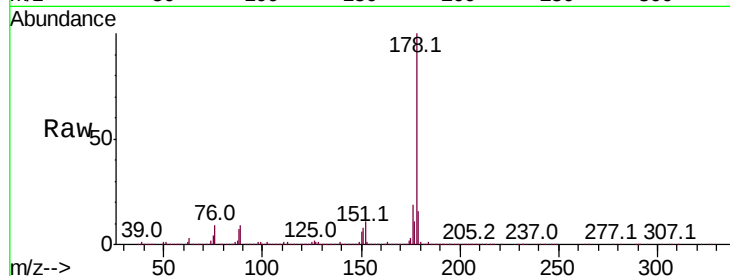
Tot Ion:178 Resp: 4371396

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6
176	19.2	15.0	22.4

178 100

179 15.7 12.4 18.6

176 19.2 15.0 22.4

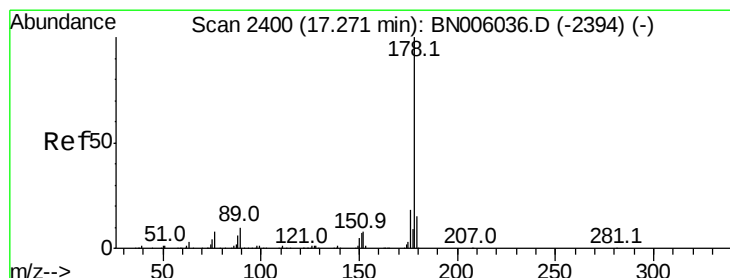
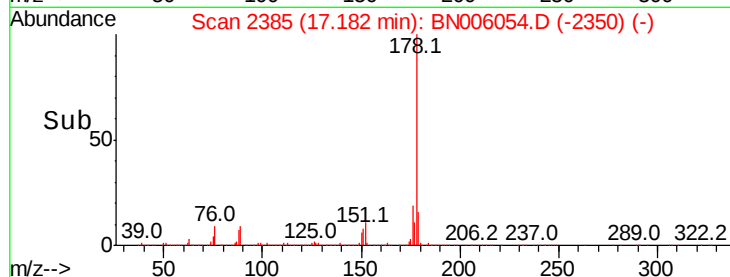
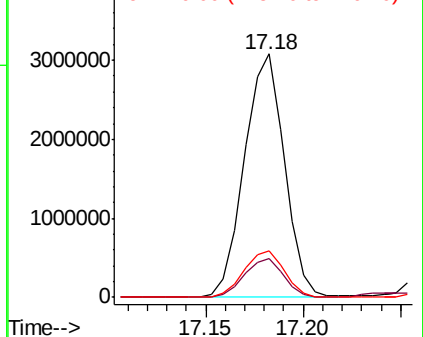


Abundance

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: 16.583 ng/ul

RT: 17.27 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BN006054.D

Acq: 04 Jun 2019 02:23

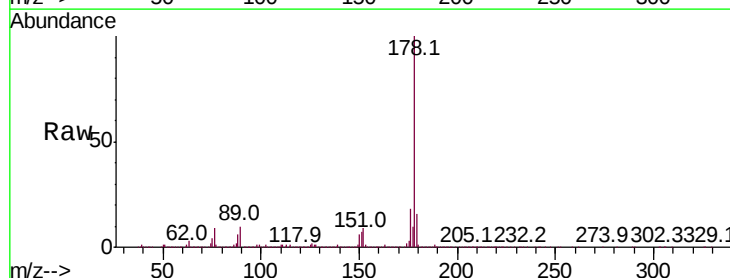
Tgt Ion:178 Resp: 1294356

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.4	18.6
176	18.5	14.8	22.2

178 100

179 15.8 12.4 18.6

176 18.5 14.8 22.2

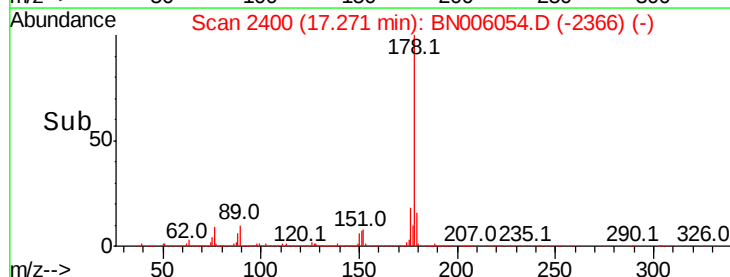
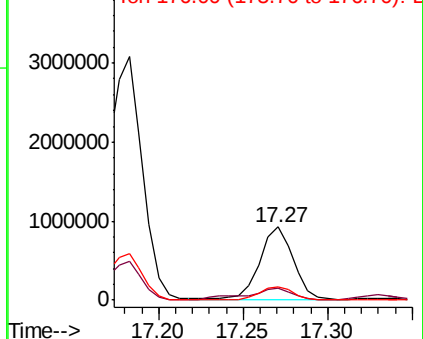


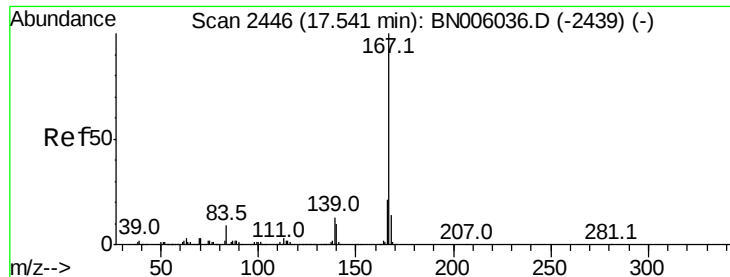
Abundance

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

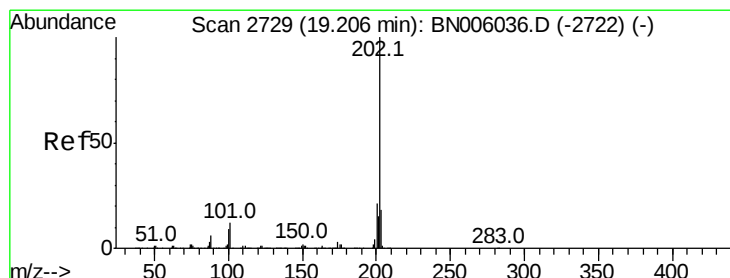
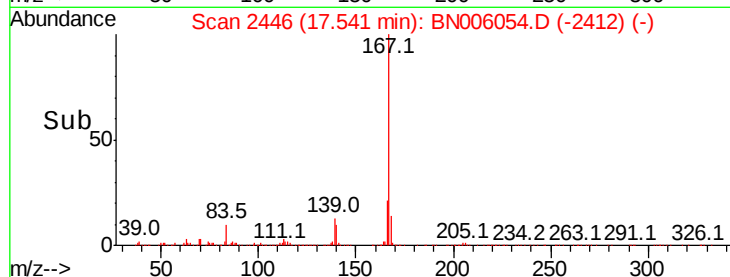
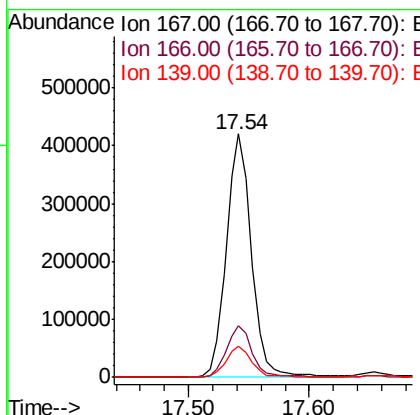
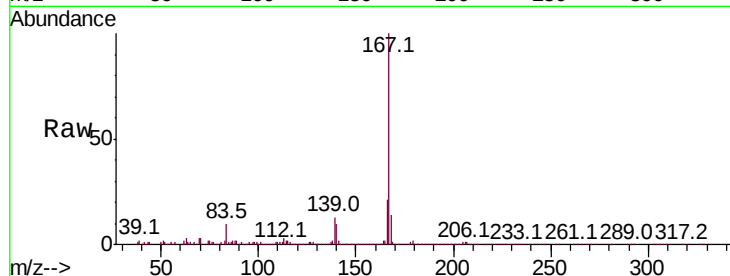




#74
 Carbazole
 Concen: 8.992 ng/ul
 RT: 17.54 min Scan# 2446
 Delta R.T. 0.00 min
 Lab File: BN006054.D
 Acq: 04 Jun 2019 02:23

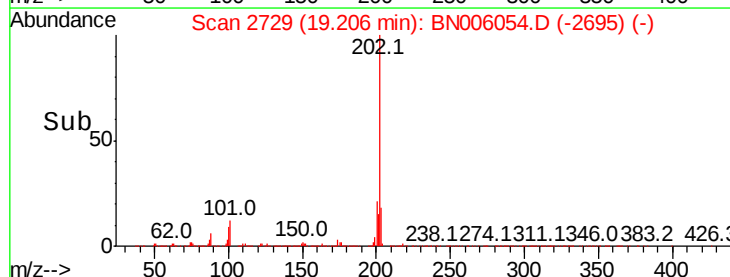
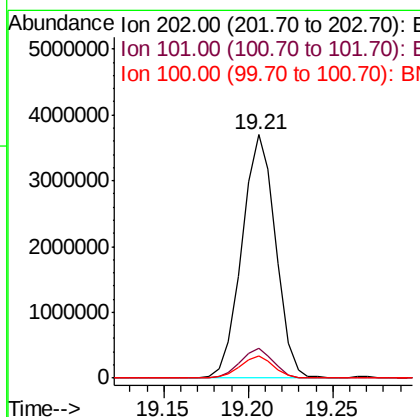
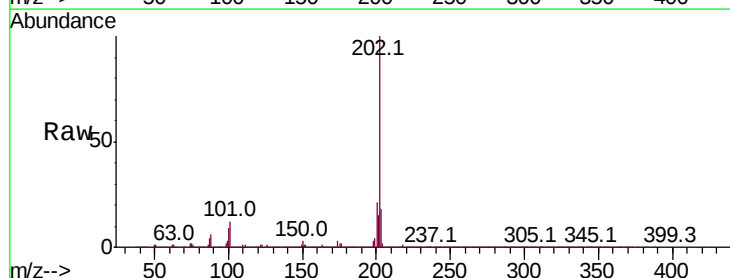
Instrument :
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 ClientSampleId :

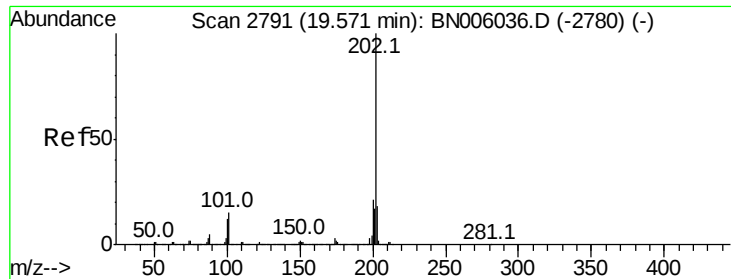
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.9	10.4	15.6



#76
 Fluoranthene
 Concen: 68.695 ng/ul
 RT: 19.21 min Scan# 2729
 Delta R.T. 0.00 min
 Lab File: BN006054.D
 Acq: 04 Jun 2019 02:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.6	14.4
100	9.2	7.1	10.7





#79

Pvrene

Concen: 49.126 ng/ul

RT: 19.57 min Scan# 2791

Delta R.T. 0.00 min

Lab File: BN006054.D

Acq: 04 Jun 2019 02:23

Instrument :

BNA_N

ClientSampleId :

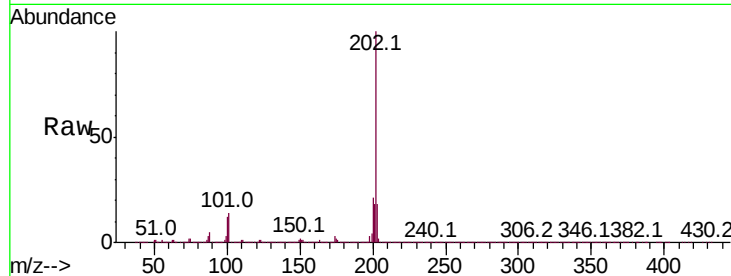
Tot Ion:202 Resp: 4259687

Ion Ratio Lower Upper

202 100

101 14.1 11.6 17.4

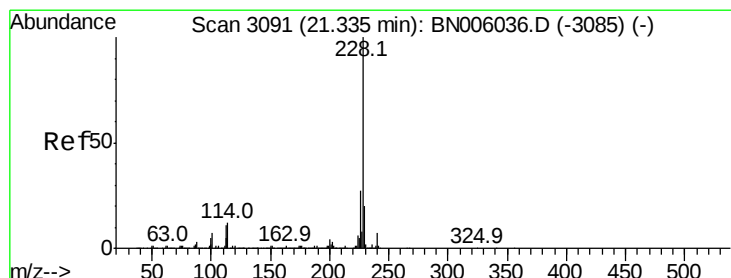
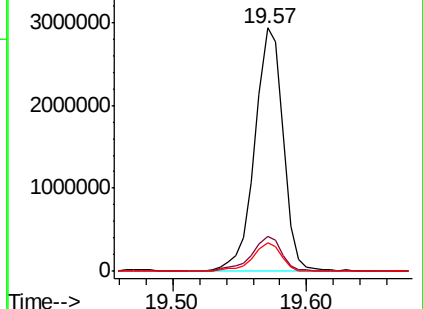
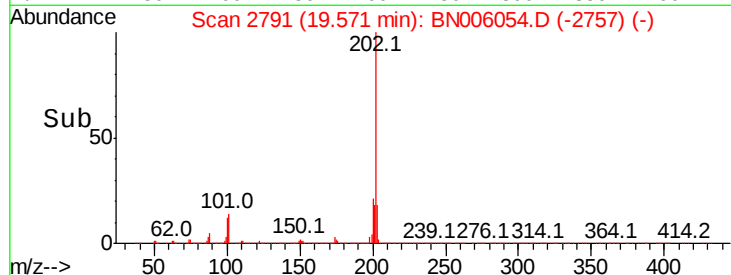
100 11.5 9.4 14.2



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): E



#82

Benzo(a)anthracene

Concen: 30.929 ng/ul

RT: 21.33 min Scan# 3090

Delta R.T. -0.01 min

Lab File: BN006054.D

Acq: 04 Jun 2019 02:23

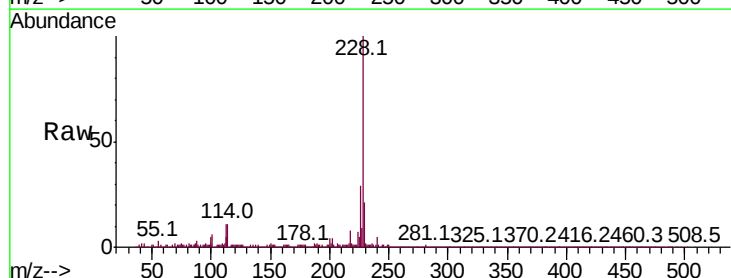
Tgt Ion:228 Resp: 2299160

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.8

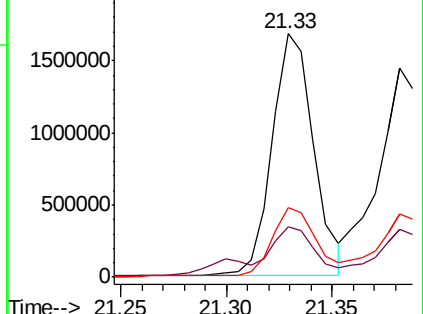
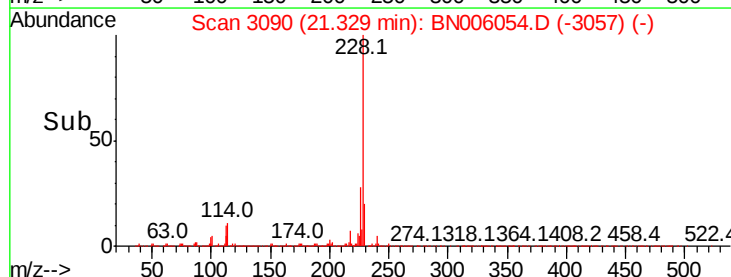
226 28.5 21.6 32.4

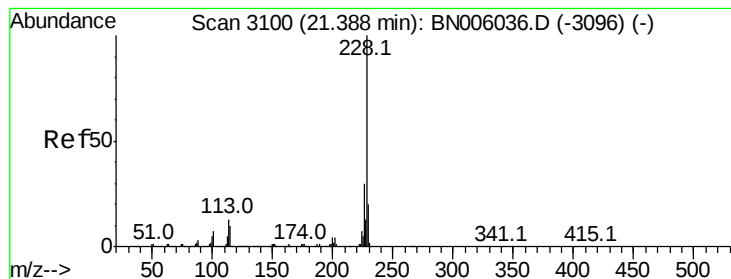


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 30.385 ng/u1

RT: 21.38 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BN006054.D

Acq: 04 Jun 2019 02:23

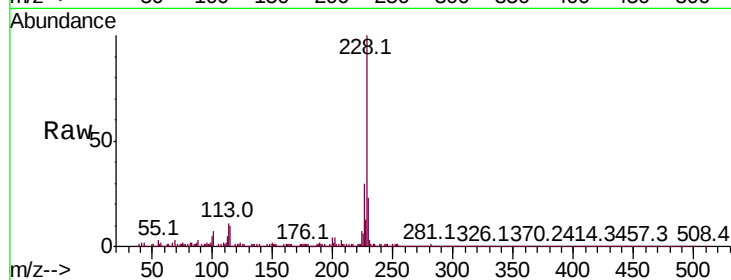
Instrument :

BNA_N

ClientSampleId :

Tot Ion:228 Resp: 2137059

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.4
229	22.7	16.3	24.5

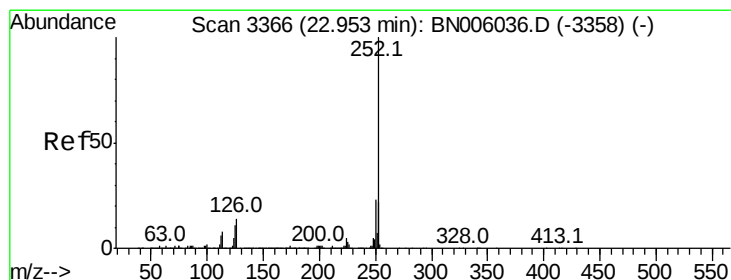
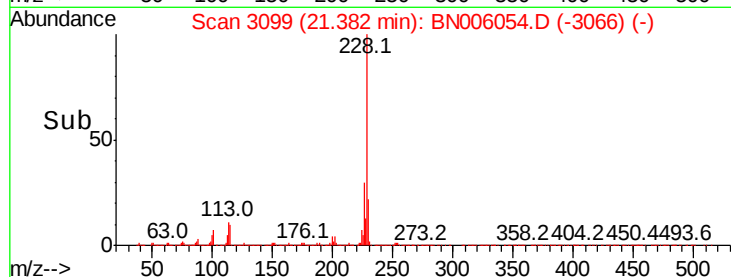
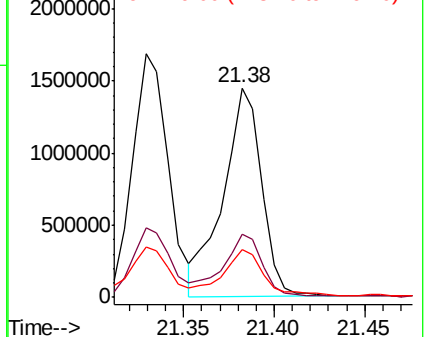


Abundance

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



#87

Benzo(b)fluoranthene

Concen: 35.797 ng/u1

RT: 22.95 min Scan# 3366

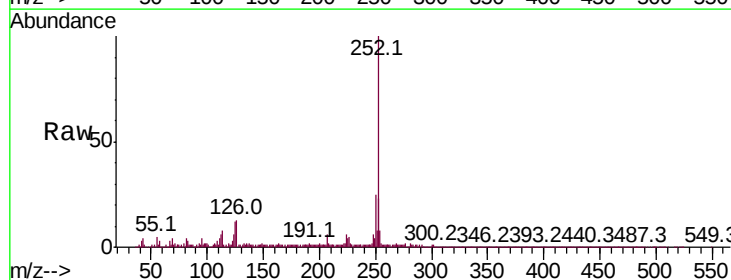
Delta R.T. 0.00 min

Lab File: BN006054.D

Acq: 04 Jun 2019 02:23

Tgt Ion:252 Resp: 2840292

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.3	25.9
125	11.9	8.5	12.7

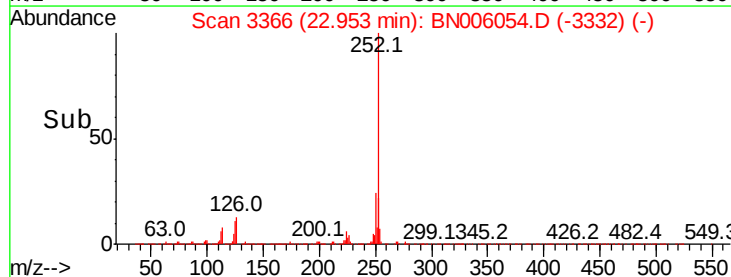
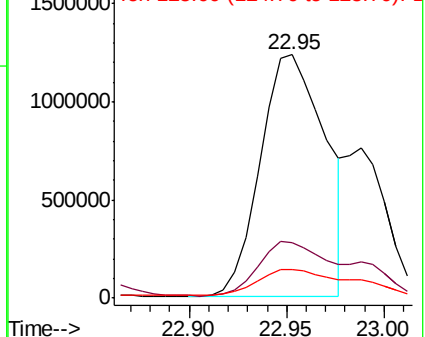


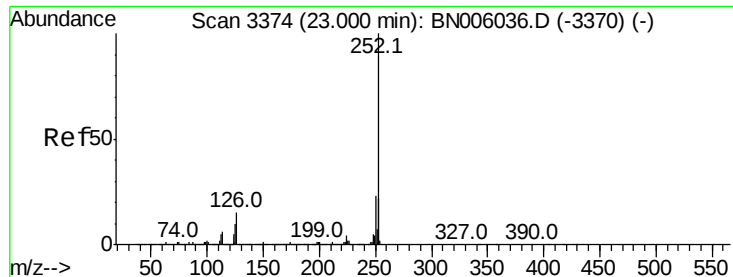
Abundance

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(k)fluoranthene

Concen: 36.941 ng/ul

RT: 22.95 min Scan# 3366

Delta R.T. -0.05 min

Lab File: BN006054.D

Acq: 04 Jun 2019 02:23

Instrument :

BNA_N

ClientSampleId :

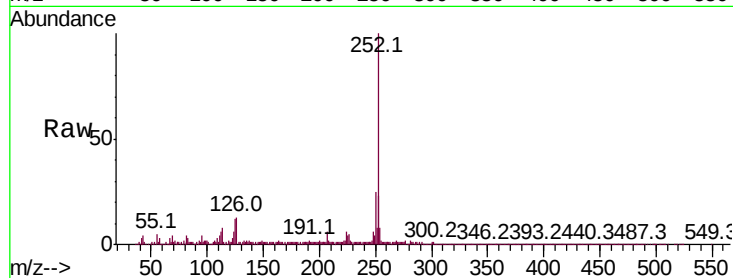
Tot Ion:252 Resp: 2840292

Ion Ratio Lower Upper

252 100

253 23.0 17.5 26.3

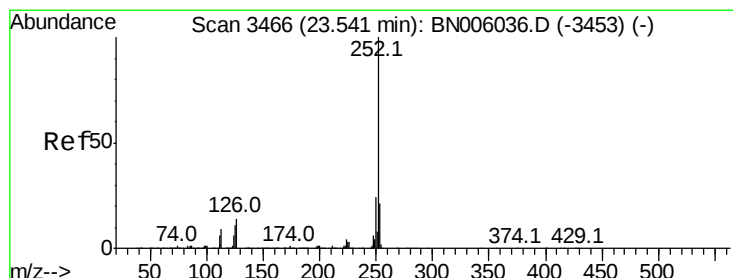
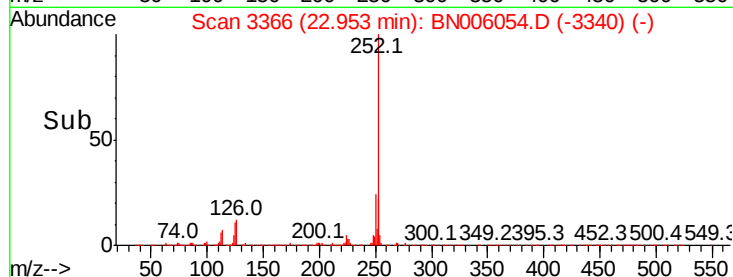
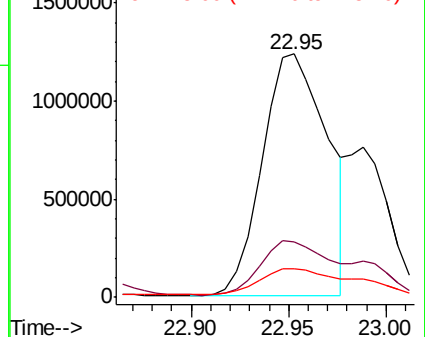
125 11.9 8.2 12.4



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



#90

Benzo(a)pyrene

Concen: 27.824 ng/ul

RT: 23.54 min Scan# 3465

Delta R.T. -0.01 min

Lab File: BN006054.D

Acq: 04 Jun 2019 02:23

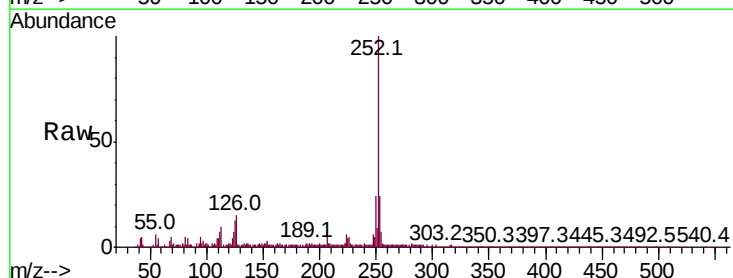
Tgt Ion:252 Resp: 2099038

Ion Ratio Lower Upper

252 100

253 23.8 17.1 25.7

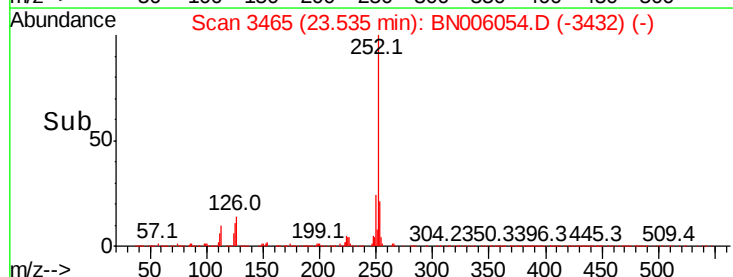
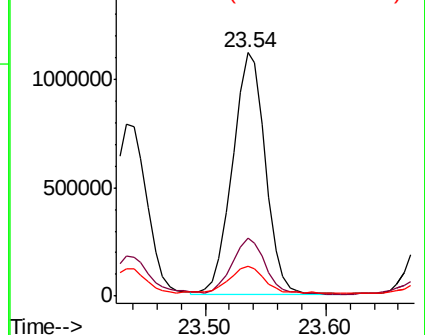
125 12.5 9.2 13.8

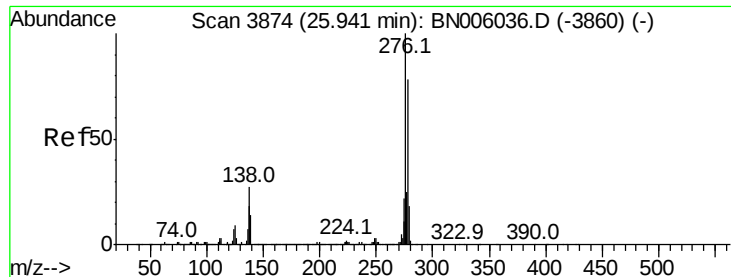


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



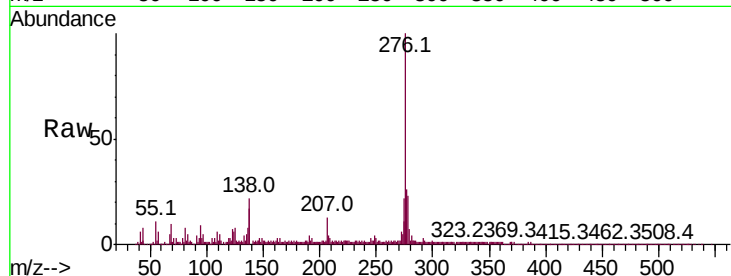


#91

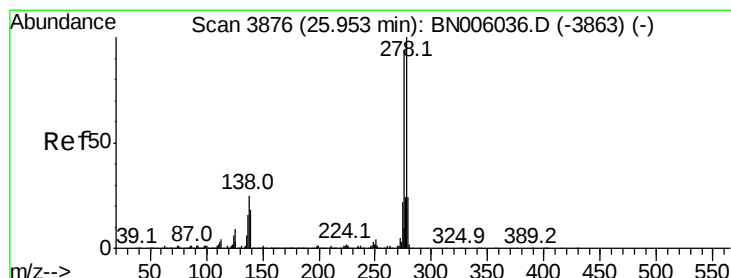
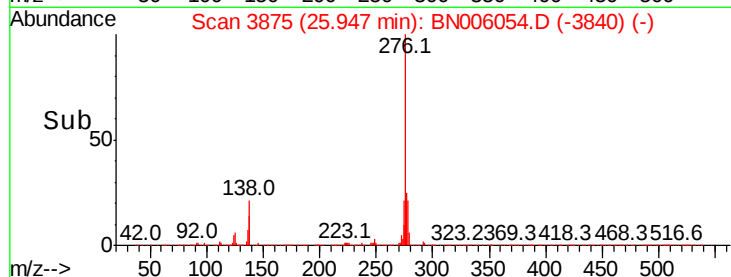
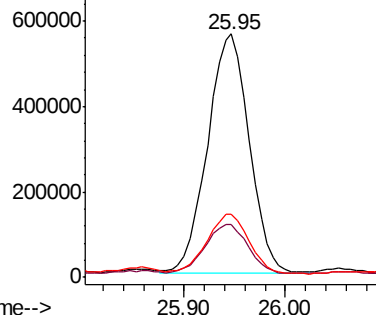
Indeno(1,2,3-cd)pyrene
Concen: 18.380 ng/ul
RT: 25.95 min Scan# 3875
Delta R.T. 0.01 min
Lab File: BN006054.D
Acq: 04 Jun 2019 02:23

Instrument :
BNA_N
ClientSampleId :

Tot Ion:276 Resp: 1596278
Ion Ratio Lower Upper
276 100
138 21.8 21.4 32.2
277 26.2 20.2 30.2



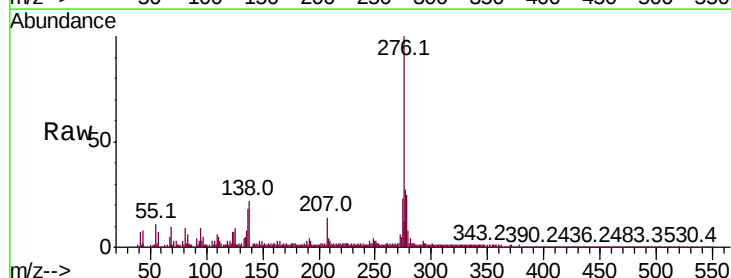
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



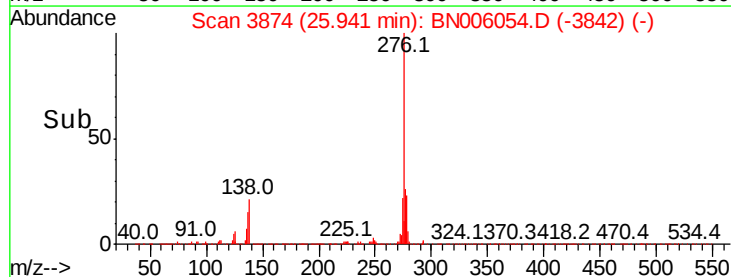
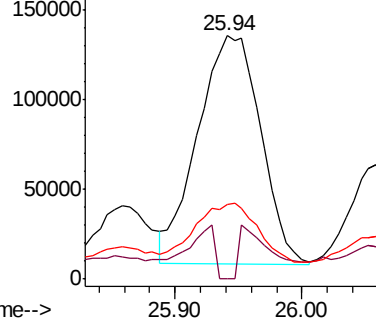
#92

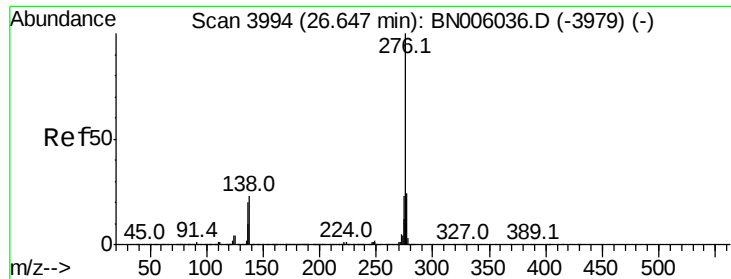
Dibenzo(a,h)anthracene
Concen: 5.975 ng/ul
RT: 25.94 min Scan# 3874
Delta R.T. -0.01 min
Lab File: BN006054.D
Acq: 04 Jun 2019 02:23

Tgt Ion:278 Resp: 437504
Ion Ratio Lower Upper
278 100
139 0.0 14.2 21.2#
279 30.7 19.4 29.0#



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





#93

Benzo(a,h,i)perylene

Concen: 17.791 ng/ul

RT: 26.65 min Scan# 3995

Delta R.T. 0.01 min

Lab File: BN006054.D

Acq: 04 Jun 2019 02:23

Instrument :

BNA_N

ClientSampleId :

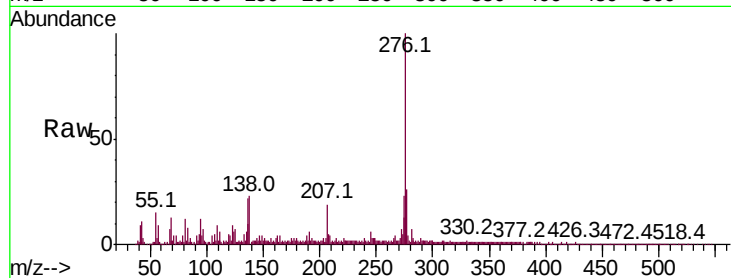
Tot Ion:276 Resp: 1271807

Ion Ratio Lower Upper

276 100

138 23.0 18.8 28.2

277 26.0 19.4 29.2



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

