

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN090518\
 Data File : BN002600.D
 Acq On : 06 Sep 2018 03:02
 Operator : JU/SJ
 Sample : J4688-13
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Sep 06 06:57:29 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN081318MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 06 06:54:57 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	137450	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	655457	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.29	164	409231	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	966327	20.00	ng/ul	0.00
77) Chrysene-d12	21.24	240	1016867	20.00	ng/ul	0.00
85) Perylene-d12	23.46	264	928070	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	8935	3.07	ng/uL	0.00
5) Phenol-d5	6.85	99	251234	19.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	166436	21.03	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	206416	21.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	206777	20.52	ng/ul	0.00
19) Nitrobenzene-d5	8.81	128	108851	20.86	ng/ul	0.00
22) 2-Nitrophenol-d4	9.53	143	128518	23.42	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	227169	22.53	ng/ul	0.00
29) 4-Chloroaniline-d4	10.58	131	141876	13.02	ng/ul	0.00
43) Dimethylphthalate-d6	13.71	166	788264	23.24	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	981623	23.59	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	103060	16.07	ng/ul	0.01
57) Fluorene-d10	15.29	176	695030	23.63	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.43	200	122448	19.90	ng/ul	0.00
70) Anthracene-d10	17.14	188	1103676	23.91	ng/ul	0.00
78) Pyrene-d10	19.44	212	1261274	25.92	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.32	264	1186226	24.44	ng/ul	0.00

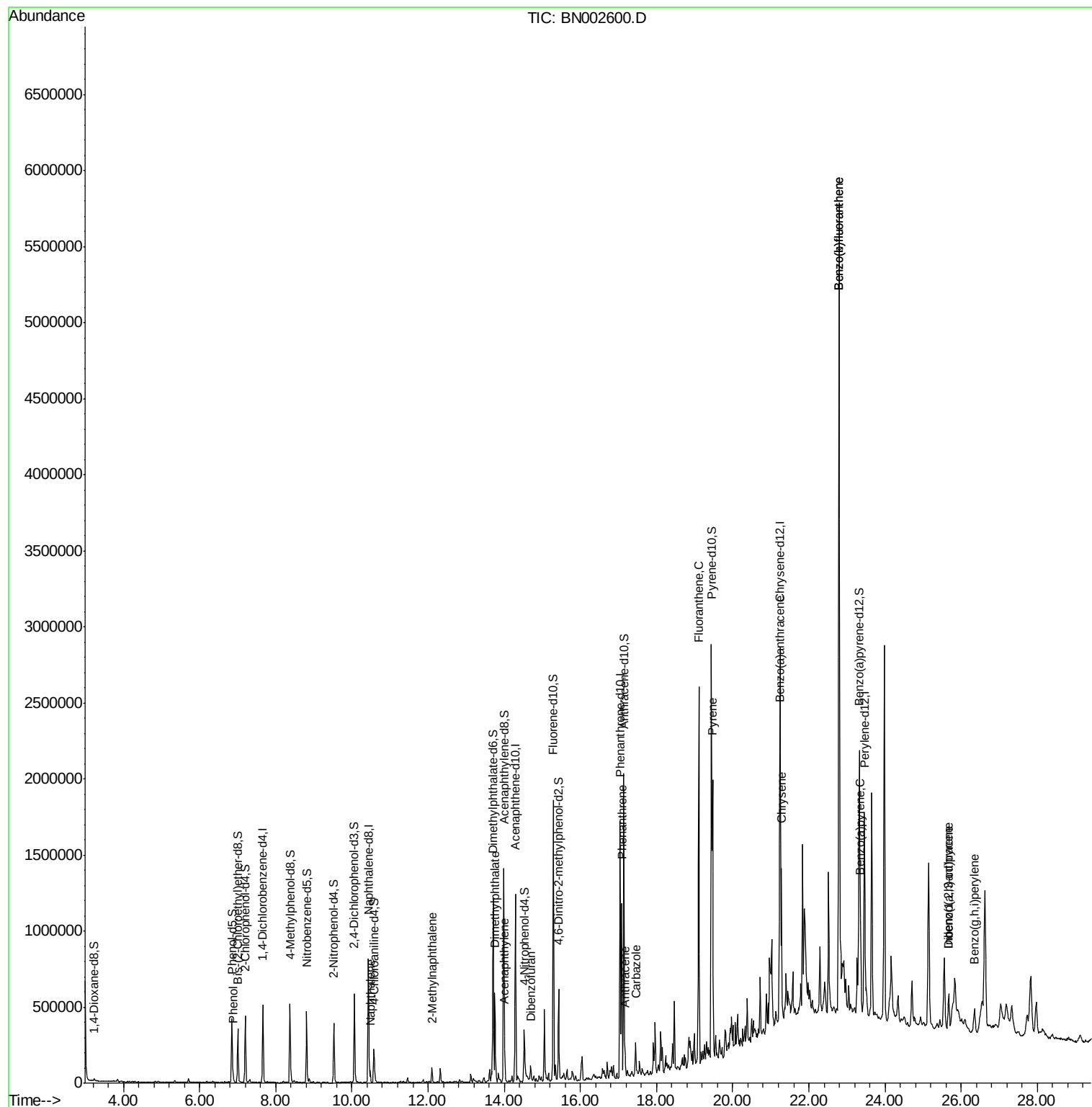
Target Compounds				Ovalue		
6) Phenol	6.88	94	13237	1.031	ng/ul#	90
28) Naphthalene	10.48	128	63547	1.884	ng/ul	97
34) 2-Methylnaphthalene	12.10	142	48295	1.940	ng/ul	96
44) Dimethylphthalate	13.75	163	373396	11.223	ng/ul	98
47) Acenaphthylene	14.02	152	114842	2.898	ng/ul	97
53) Dibenzofuran	14.70	168	40441	1.026	ng/ul	97
69) Phenanthrene	17.09	178	667243	12.525	ng/ul	98
71) Anthracene	17.17	178	91990	1.703	ng/ul	98
74) Carbazole	17.45	167	129488	2.703	ng/ul	98
76) Fluoranthene	19.11	202	1425905	23.518	ng/ul	99
79) Pyrene	19.47	202	1078238	17.585	ng/ul	99
82) Benzo(a)anthracene	21.23	228	384422	6.171	ng/ul	96
84) Chrysene	21.28	228	584152	9.907	ng/ul	98
87) Benzo(b)fluoranthene	22.80	252	616679	11.085	ng/ul#	89
88) Benzo(k)fluoranthene	22.80	252	616679	11.767	ng/ul#	89
90) Benzo(a)pyrene	23.36	252	306632	5.786	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.67	276	209086	3.316	ng/ul#	91
92) Dibenzo(a,h)anthracene	25.67	278	56124	1.065	ng/ul#	74
93) Benzo(g,h,i)perylene	26.35	276	179306	3.409	ng/ul	97

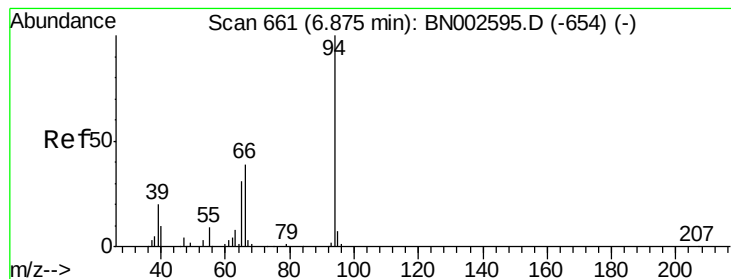
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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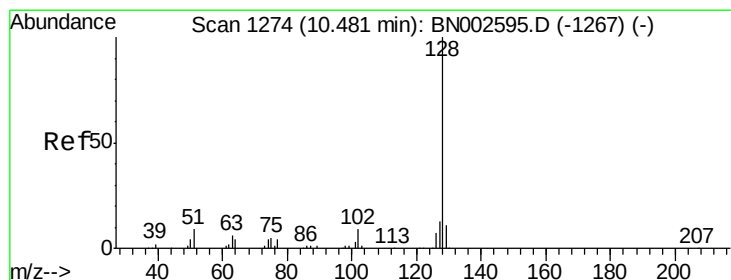
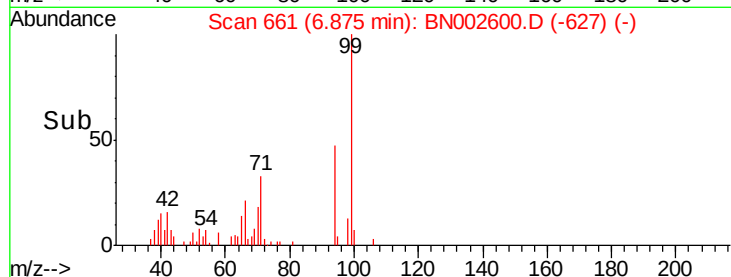
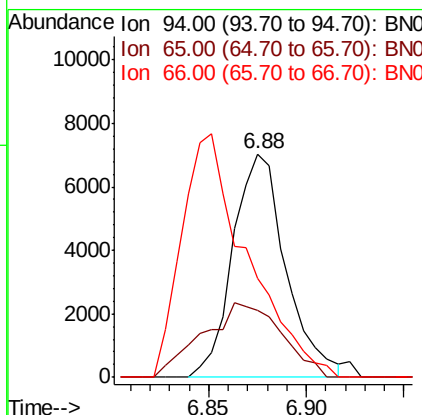
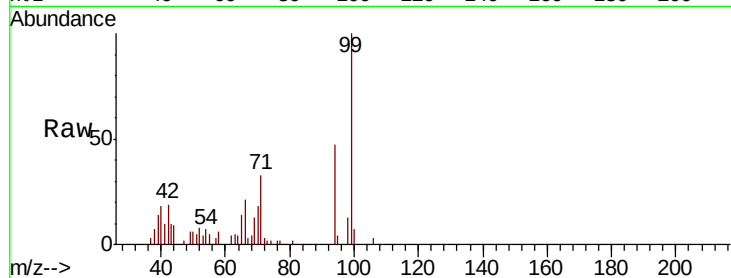
#6

Phenol

Concen: 1.031 ng/ul
 RT: 6.88 min Scan# 661
 Delta R.T. -0.00 min
 Lab File: BN002600.D
 Acq: 06 Sep 2018 03:02

Instrument :
 BNA_N
 ClientSampled :

Tot Ion	94	Resp	13237
Ion Ratio	Lower	Upper	
94	100		
65	29.7	21.0	31.6
66	44.2	29.3	43.9

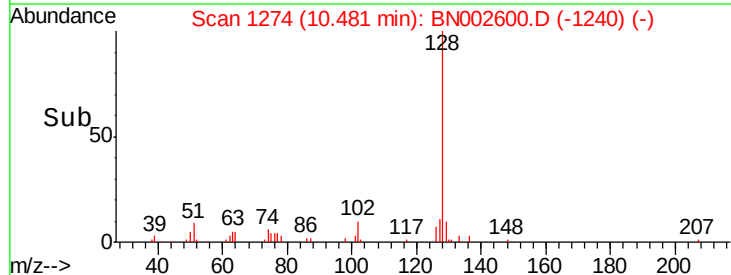
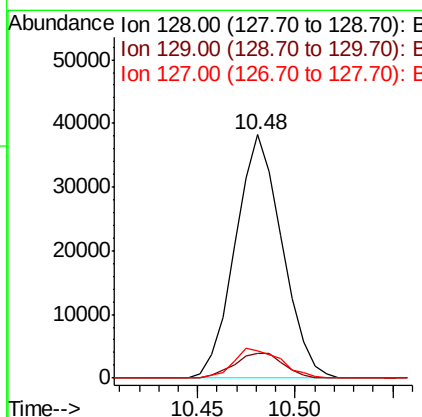
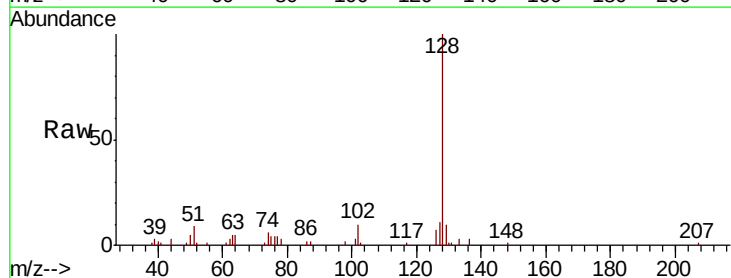


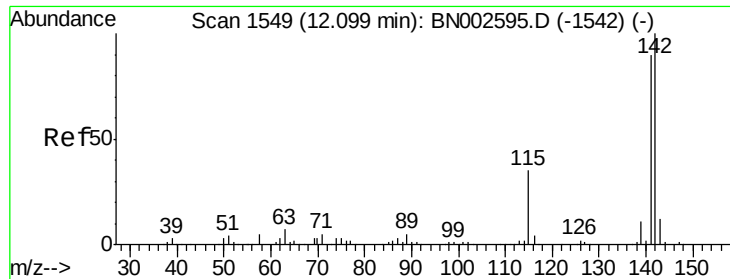
#28

Naphthalene

Concen: 1.884 ng/ul
 RT: 10.48 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: BN002600.D
 Acq: 06 Sep 2018 03:02

Tgt Ion	128	Resp	63547
Ion Ratio	Lower	Upper	
128	100		
129	10.2	8.8	13.2
127	11.4	10.5	15.7

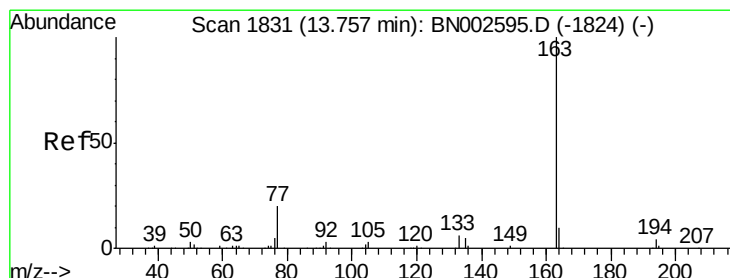
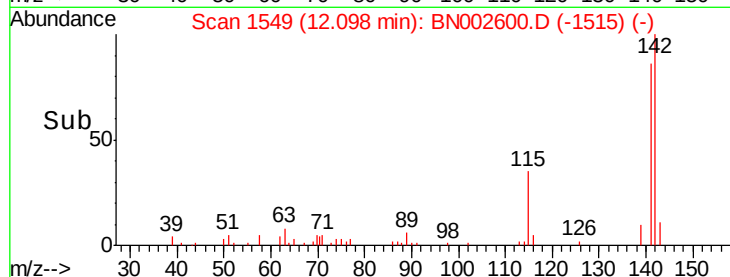
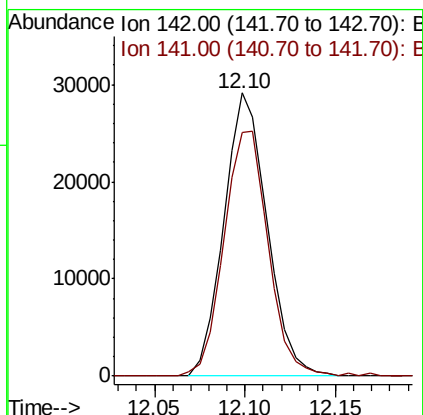
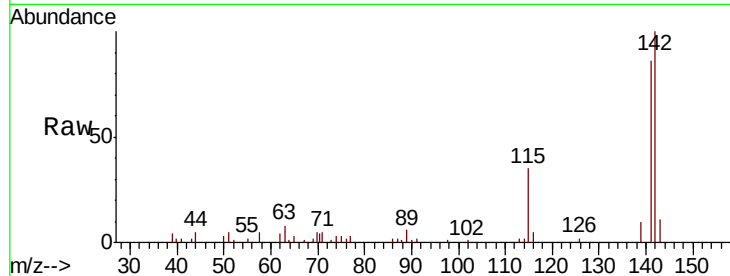




#34
 2-Methylnaphthalene
 Concen: 1.940 ng/ul
 RT: 12.10 min Scan# 1549
 Delta R.T. -0.00 min
 Lab File: BN002600.D
 Acq: 06 Sep 2018 03:02

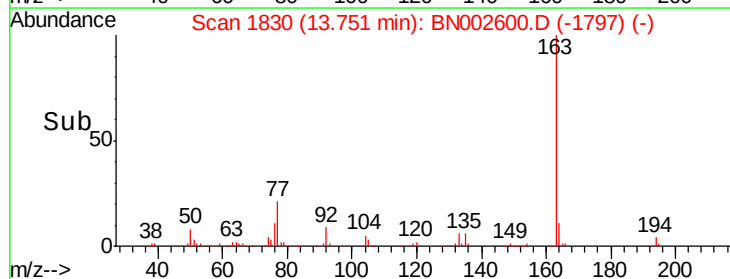
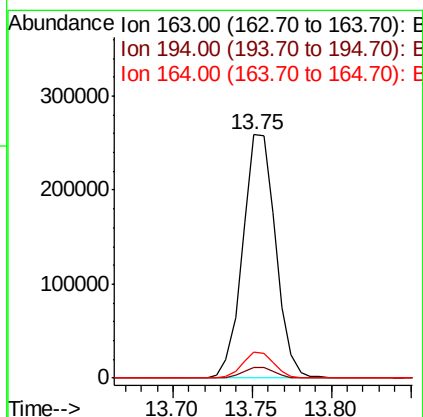
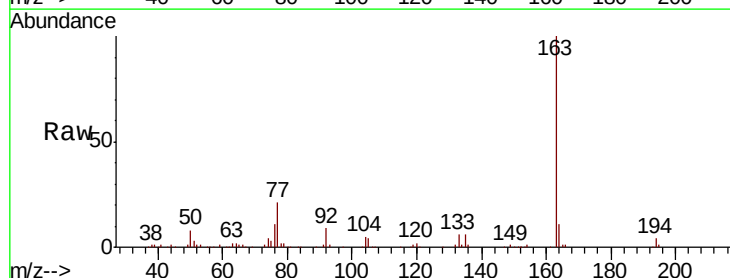
Instrument :
 BNA_N
 ClientSampled :

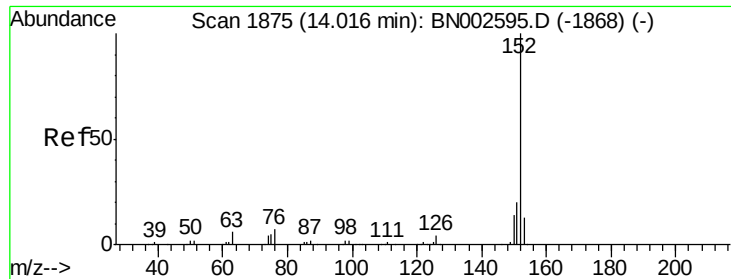
Tot Ion:142 Resp: 48295
 Ion Ratio Lower Upper
 142 100
 141 85.9 71.6 107.4



#44
 Dimethylphthalate
 Concen: 11.223 ng/ul
 RT: 13.75 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BN002600.D
 Acq: 06 Sep 2018 03:02

Tgt Ion:163 Resp: 373396
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.2 4.8
 164 10.5 7.8 11.8





#47

Acenaphthylene

Concen: 2.898 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. -0.00 min

Lab File: BN002600.D

Acq: 06 Sep 2018 03:02

Instrument :

BNA_N

ClientSampleId :

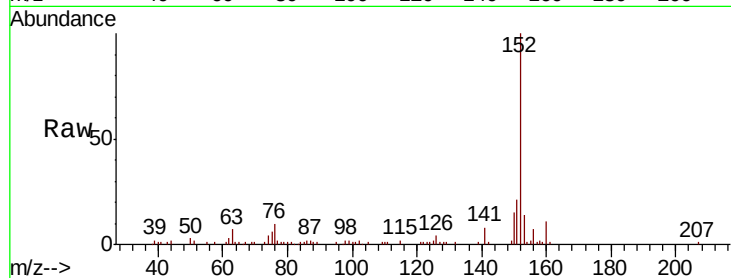
Tot Ion:152 Resp: 114842

Ion Ratio Lower Upper

152 100

151 20.9 15.7 23.5

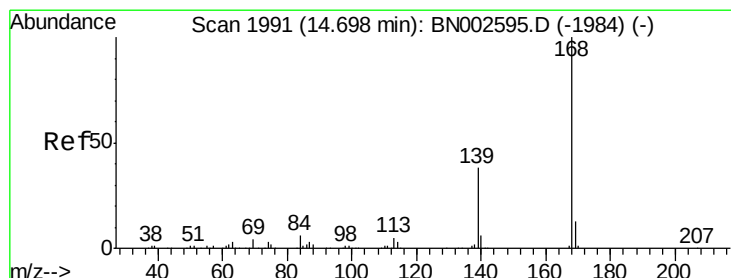
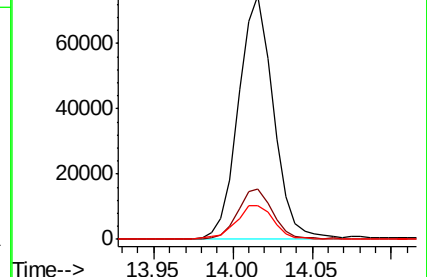
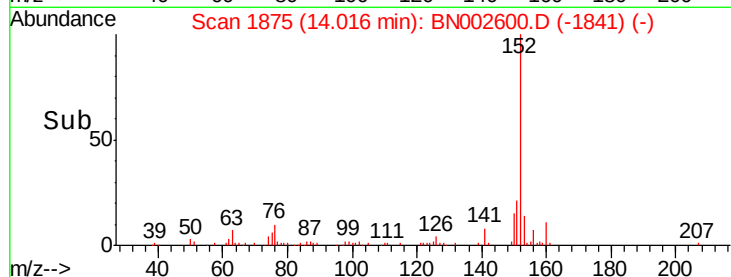
153 14.1 10.5 15.7



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



#53

Dibenzofuran

Concen: 1.026 ng/ul

RT: 14.70 min Scan# 1991

Delta R.T. -0.00 min

Lab File: BN002600.D

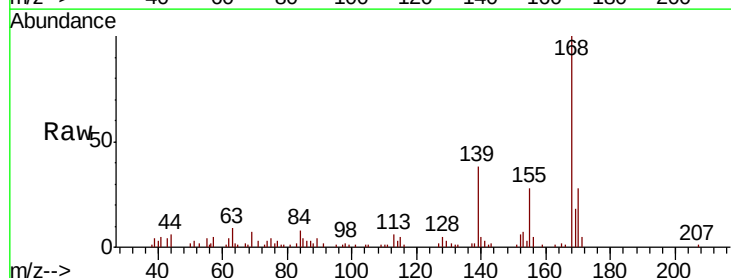
Acq: 06 Sep 2018 03:02

Tgt Ion:168 Resp: 40441

Ion Ratio Lower Upper

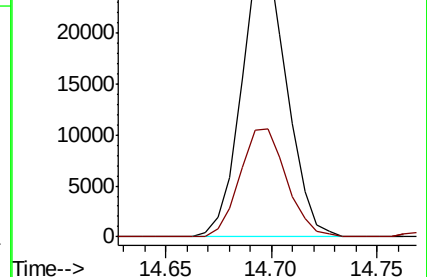
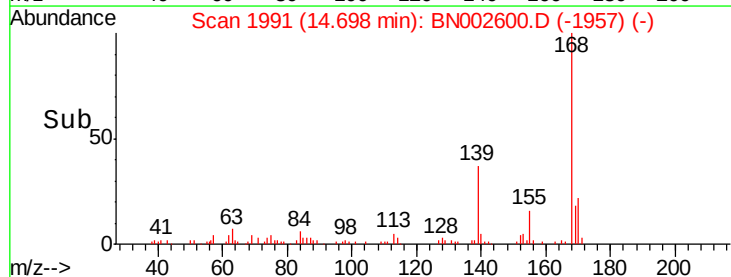
168 100

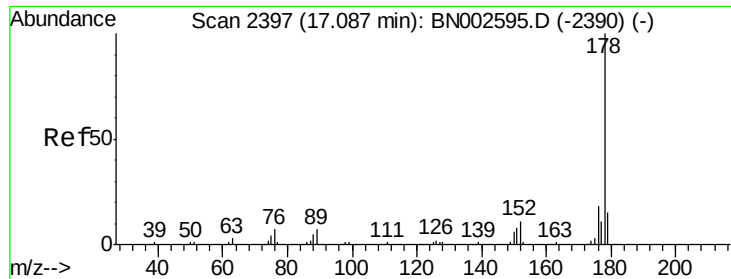
139 38.3 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#69

Phenanthrene

Concen: 12.525 ng/ul

RT: 17.09 min Scan# 2397

Delta R.T. -0.00 min

Lab File: BN002600.D

Acq: 06 Sep 2018 03:02

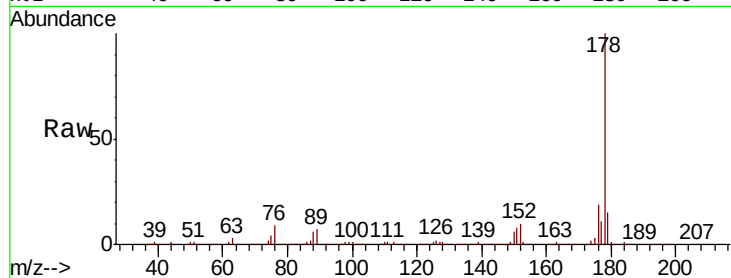
Instrument :

BNA_N

ClientSampleId :

Tot Ion:178 Resp: 667243

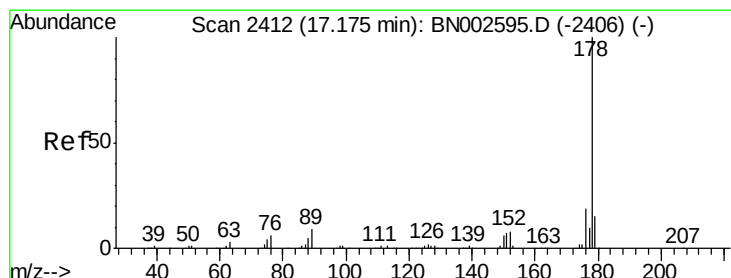
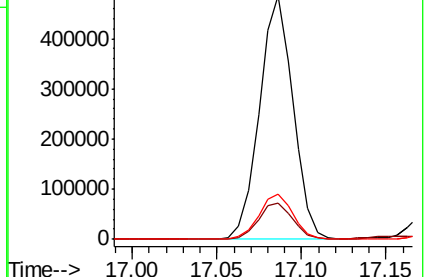
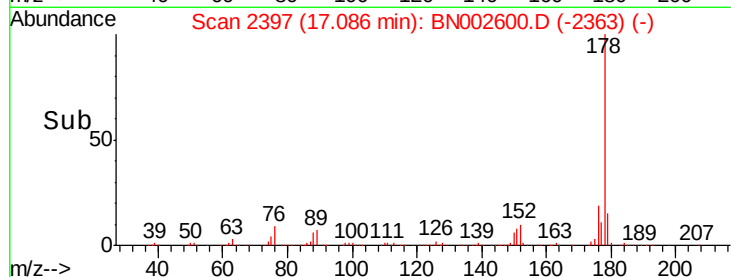
Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.2	18.4
176	18.6	15.6	23.4



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: 1.703 ng/ul

RT: 17.17 min Scan# 2412

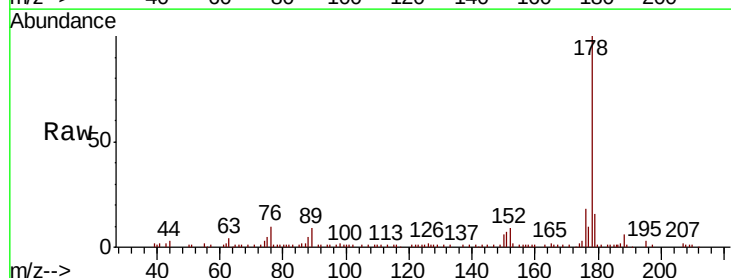
Delta R.T. -0.00 min

Lab File: BN002600.D

Acq: 06 Sep 2018 03:02

Tgt Ion:178 Resp: 91990

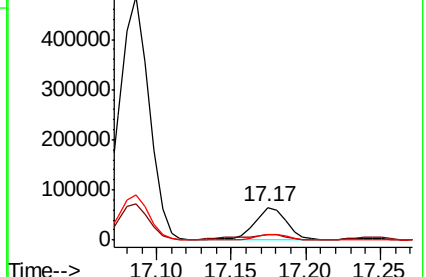
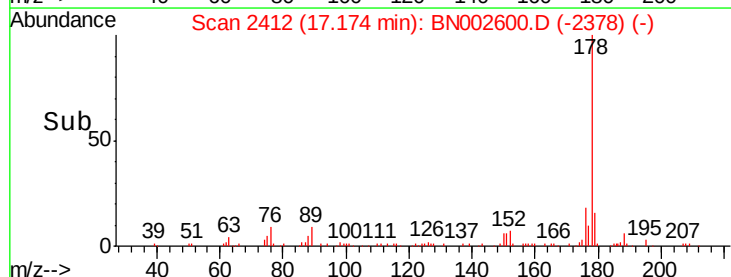
Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.1	18.1
176	18.2	14.8	22.2

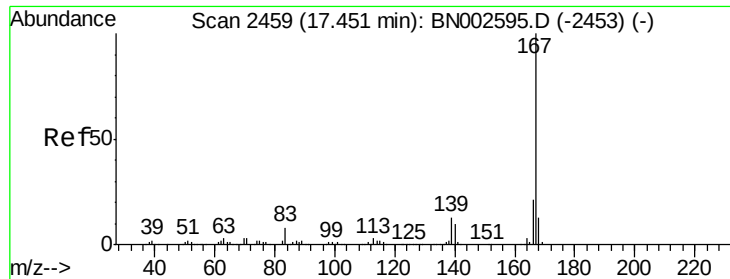


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

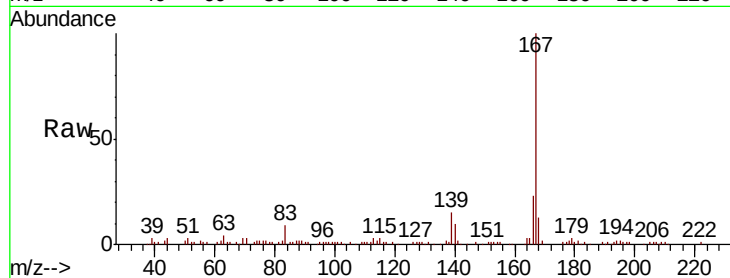




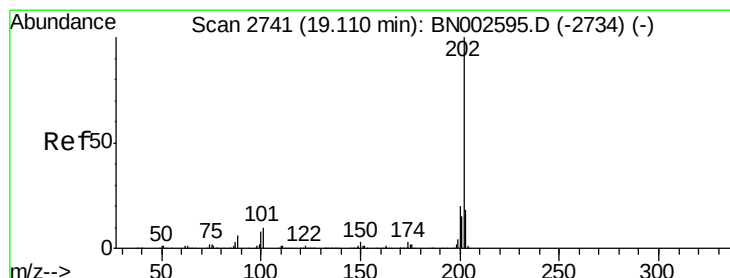
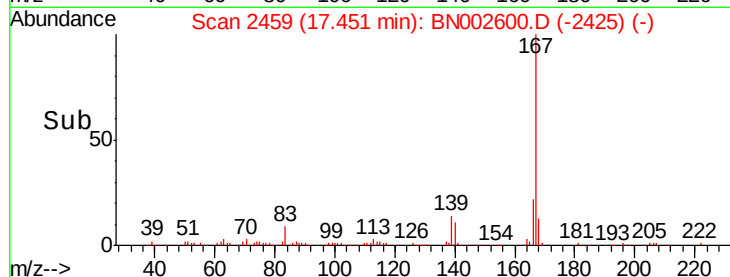
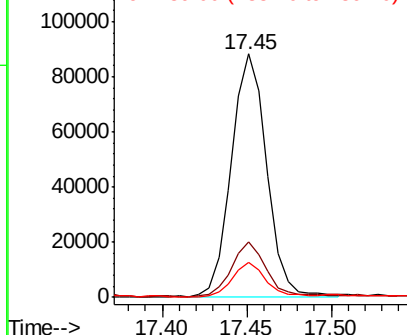
#74
 Carbazole
 Concen: 2.703 ng/ul
 RT: 17.45 min Scan# 2459
 Delta R.T. -0.00 min
 Lab File: BN002600.D
 Acq: 06 Sep 2018 03:02

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:167 Resp: 129488
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.0 25.6
 139 14.6 11.0 16.4

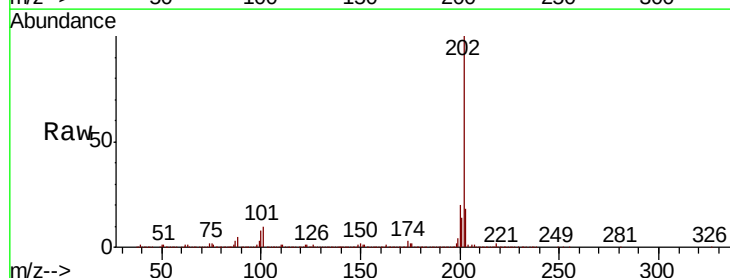


Abundance Ion 167.00 (166.70 to 167.70): E
 120000 Ion 166.00 (165.70 to 166.70): E
 100000 Ion 139.00 (138.70 to 139.70): E

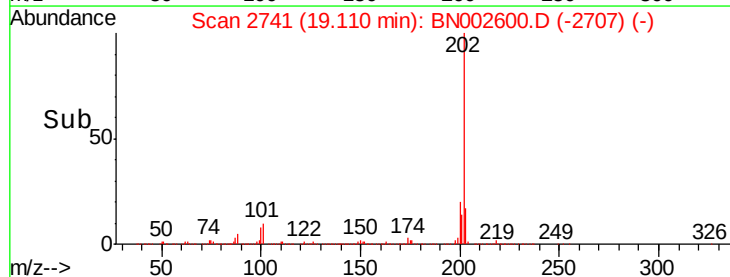
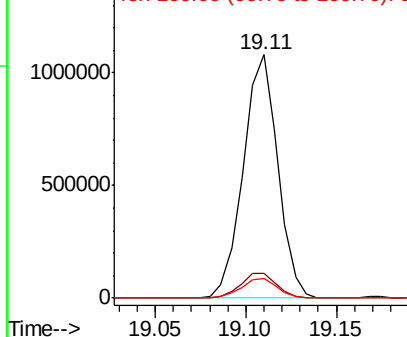


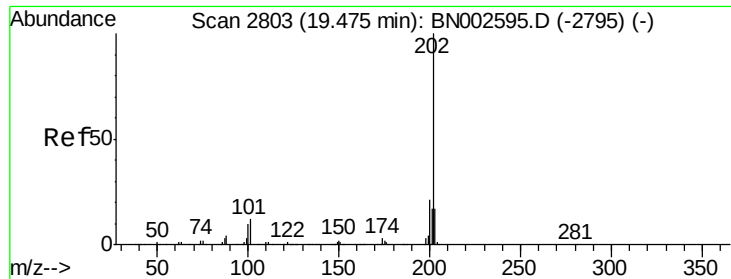
#76
 Fluoranthene
 Concen: 23.518 ng/ul
 RT: 19.11 min Scan# 2741
 Delta R.T. -0.00 min
 Lab File: BN002600.D
 Acq: 06 Sep 2018 03:02

Tgt Ion:202 Resp: 1425905
 Ion Ratio Lower Upper
 202 100
 101 10.1 8.8 13.2
 100 8.3 6.6 9.8



Abundance Ion 202.00 (201.70 to 202.70): E
 1500000 Ion 101.00 (100.70 to 101.70): E
 1000000 Ion 100.00 (99.70 to 100.70): B

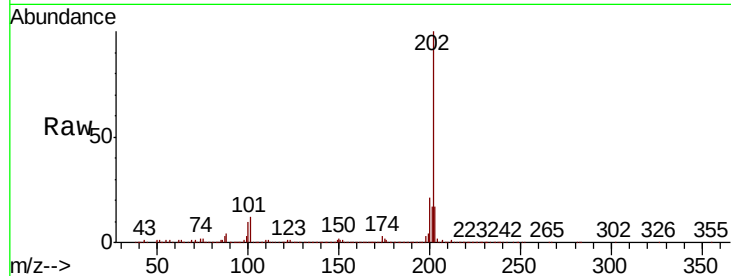




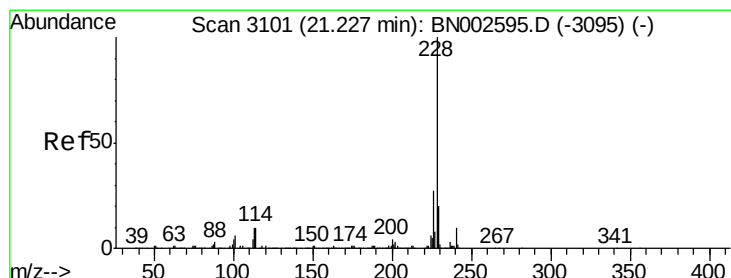
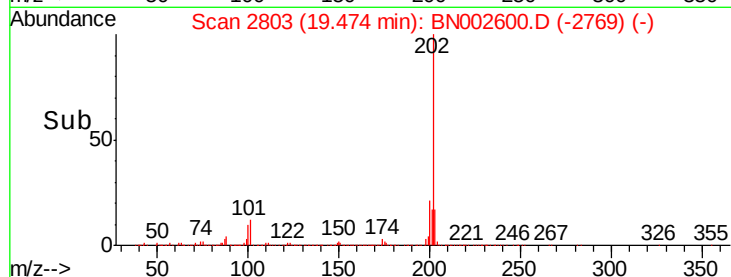
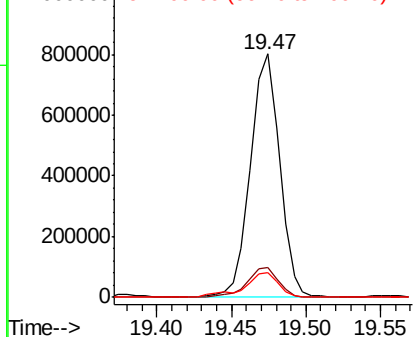
#79
Pvrene
Concen: 17.585 ng/ul
RT: 19.47 min Scan# 2803
Delta R.T. -0.00 min
Lab File: BN002600.D
Acq: 06 Sep 2018 03:02

Instrument :
BNA_N
ClientSampled :

Tot Ion:202 Resp: 1078238
Ion Ratio Lower Upper
202 100
101 12.4 10.2 15.2
100 10.1 8.5 12.7

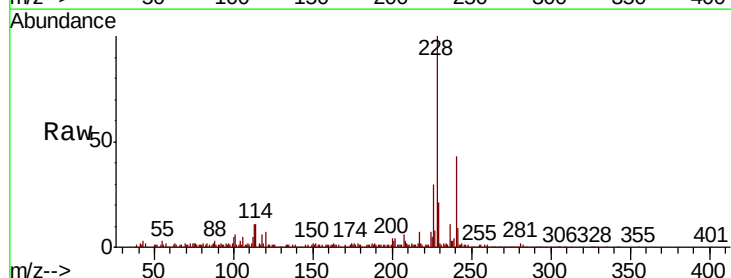


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

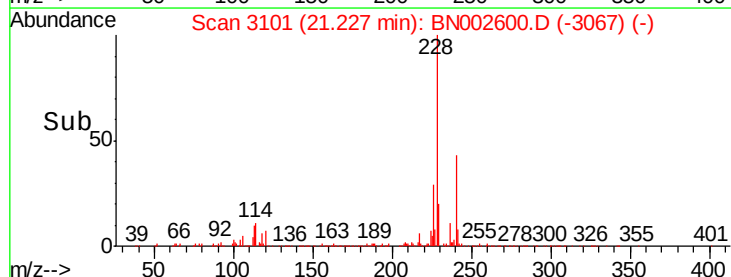
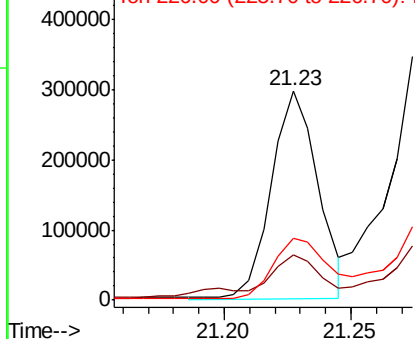


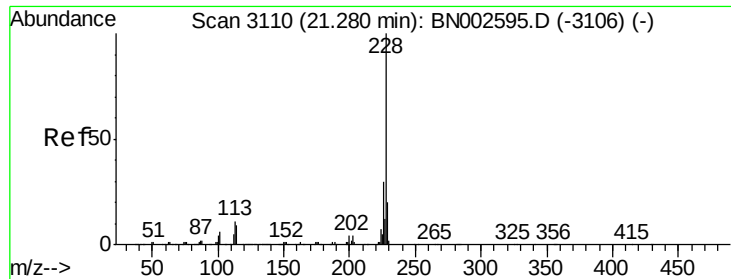
#82
Benzo(a)anthracene
Concen: 6.171 ng/ul
RT: 21.23 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BN002600.D
Acq: 06 Sep 2018 03:02

Tgt Ion:228 Resp: 384422
Ion Ratio Lower Upper
228 100
229 21.4 15.7 23.5
226 29.6 21.8 32.6



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: 9.907 ng/ul

RT: 21.28 min Scan# 3110

Delta R.T. -0.00 min

Lab File: BN002600.D

Acq: 06 Sep 2018 03:02

Instrument :

BNA_N

ClientSampleId :

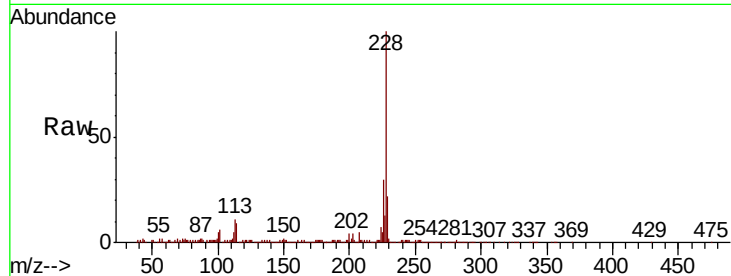
Tot Ion:228 Resp: 584152

Ion Ratio Lower Upper

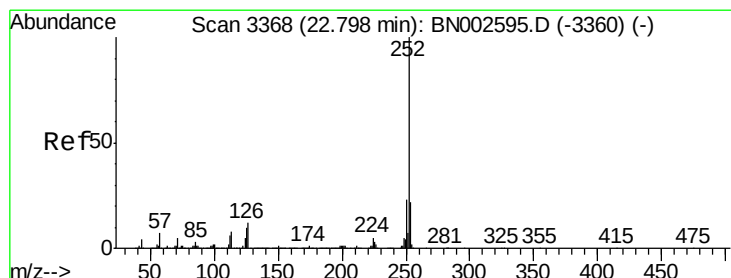
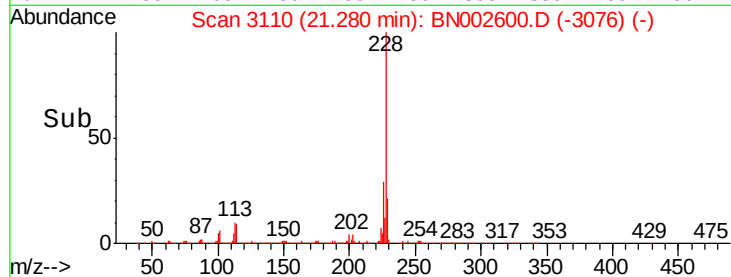
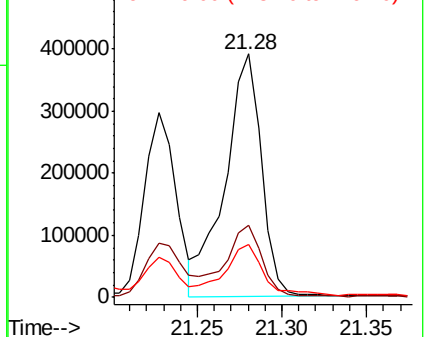
228 100

226 29.6 24.0 36.0

229 21.8 15.6 23.4



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: 11.085 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. -0.00 min

Lab File: BN002600.D

Acq: 06 Sep 2018 03:02

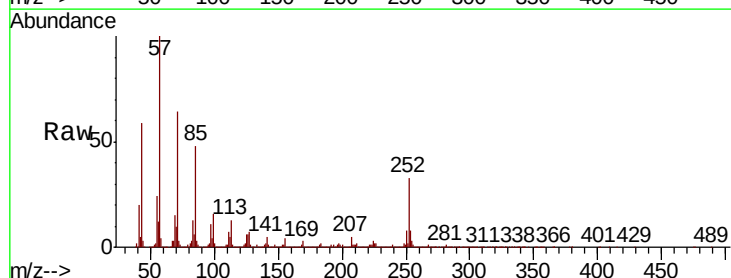
Tgt Ion:252 Resp: 616679

Ion Ratio Lower Upper

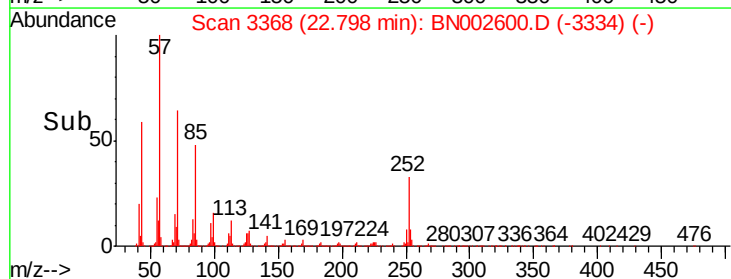
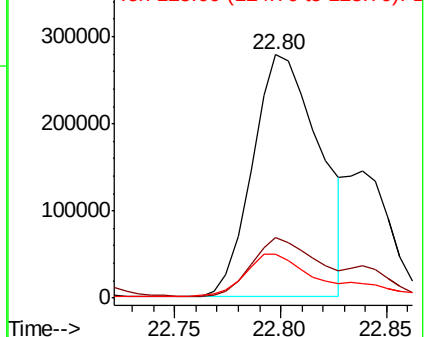
252 100

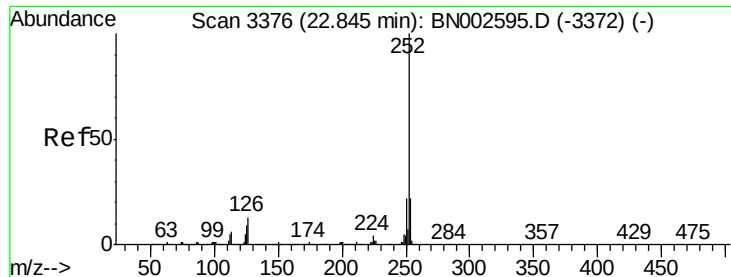
253 24.7 17.5 26.3

125 18.3 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: 11.767 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. -0.05 min

Lab File: BN002600.D

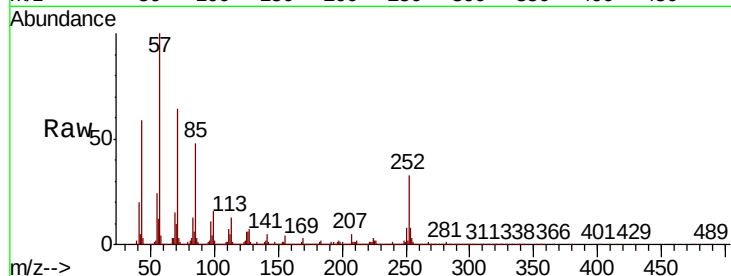
Acq: 06 Sep 2018 03:02

Instrument :

BNA_N

ClientSampleId :

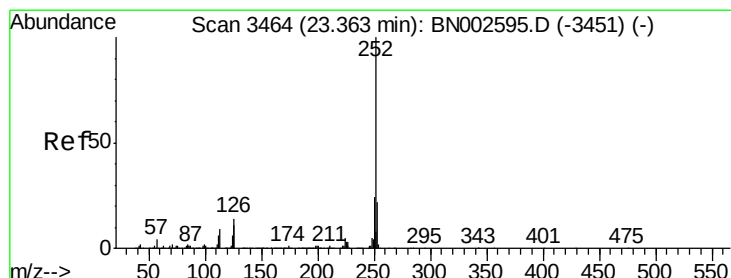
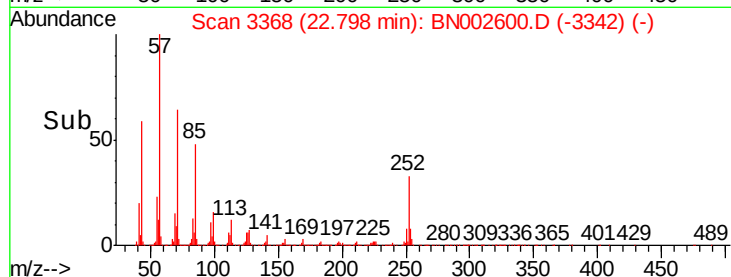
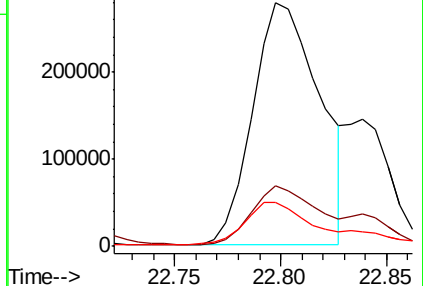
Tot Ion:252	Resp:	616679
Ion Ratio	Lower	Upper
252	100	
253	24.7	17.3 25.9
125	18.3	8.2 12.2#



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: 5.786 ng/ul

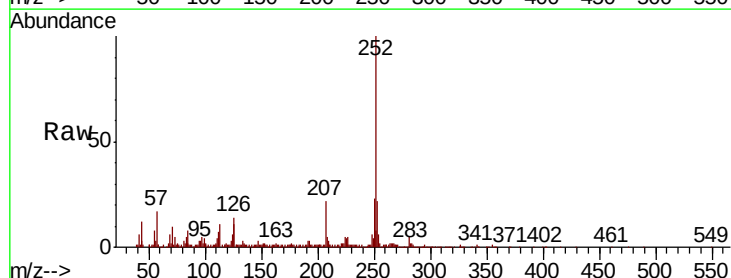
RT: 23.36 min Scan# 3464

Delta R.T. -0.00 min

Lab File: BN002600.D

Acq: 06 Sep 2018 03:02

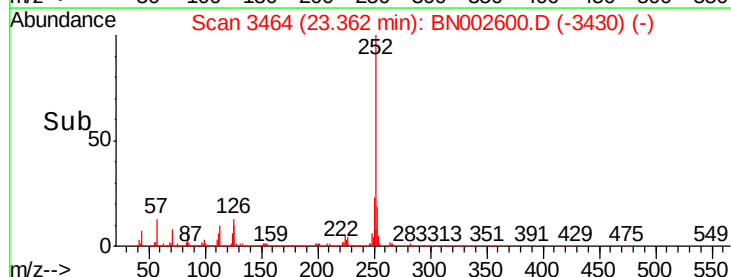
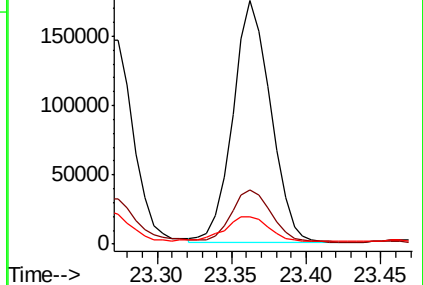
Tgt Ion:252	Resp:	306632
Ion Ratio	Lower	Upper
252	100	
253	22.1	17.2 25.8
125	11.2	9.0 13.6

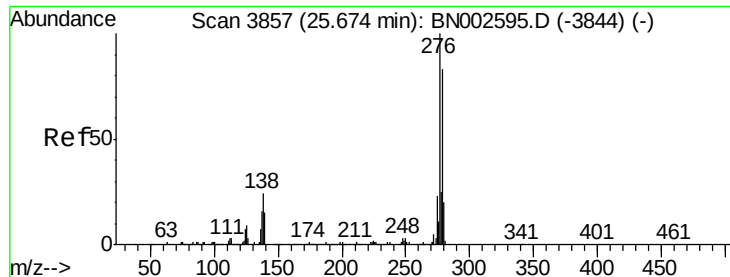


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 3.316 ng/ul

RT: 25.67 min Scan# 3856

Delta R.T. -0.01 min

Lab File: BN002600.D

Acq: 06 Sep 2018 03:02

Instrument :

BNA_N

ClientSampleId :

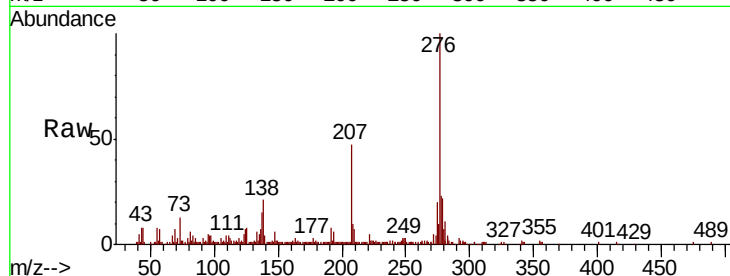
Tot Ion:276 Resp: 209086

Ion Ratio Lower Upper

276 100

138 20.6 22.3 33.5#

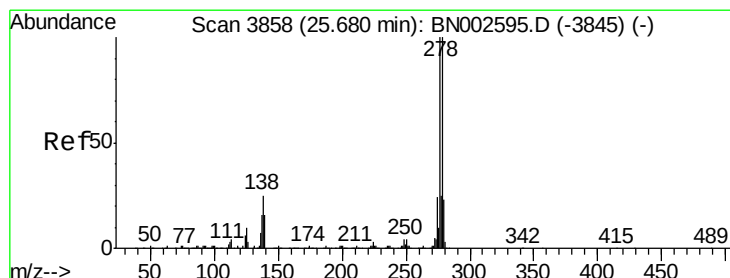
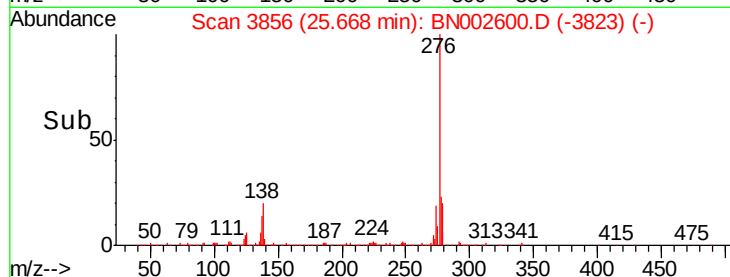
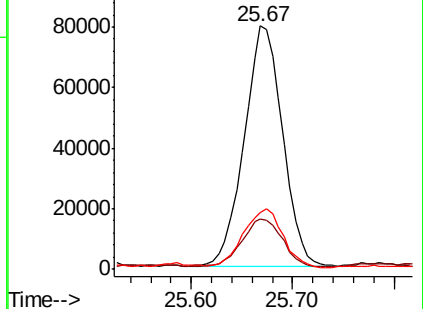
277 23.4 20.2 30.2



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: 1.065 ng/ul

RT: 25.67 min Scan# 3857

Delta R.T. -0.01 min

Lab File: BN002600.D

Acq: 06 Sep 2018 03:02

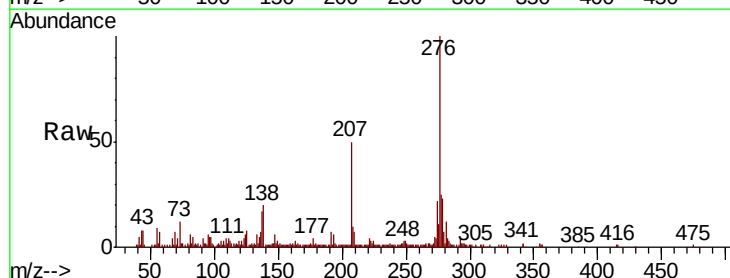
Tgt Ion:278 Resp: 56124

Ion Ratio Lower Upper

278 100

139 0.0 13.9 20.9#

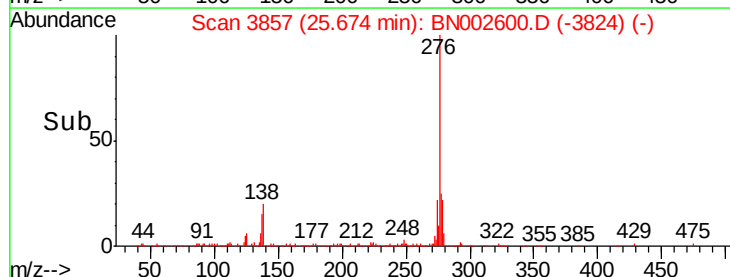
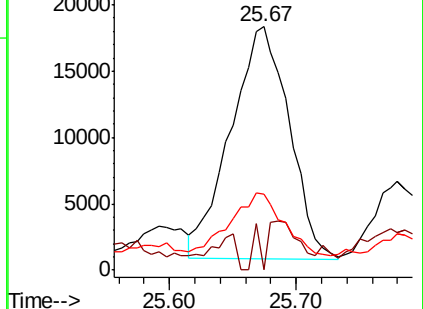
279 31.1 19.0 28.4#

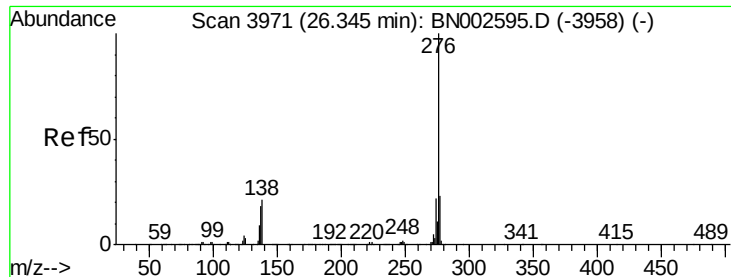


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.409 ng/ul

RT: 26.35 min Scan# 3972

Delta R.T. 0.01 min

Lab File: BN002600.D

Acq: 06 Sep 2018 03:02

Instrument :

BNA_N

ClientSampleId :

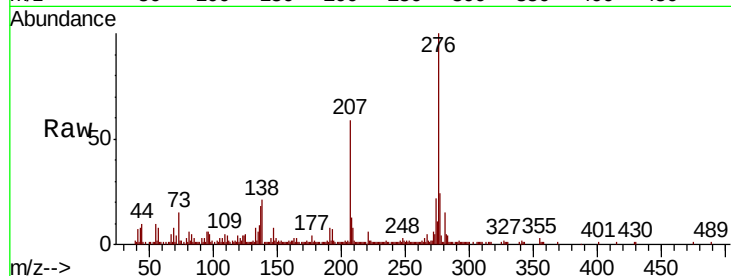
Tot Ion: 276 Resp: 179306

Ion Ratio Lower Upper

276 100

138 20.8 18.9 28.3

277 24.0 19.2 28.8



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

